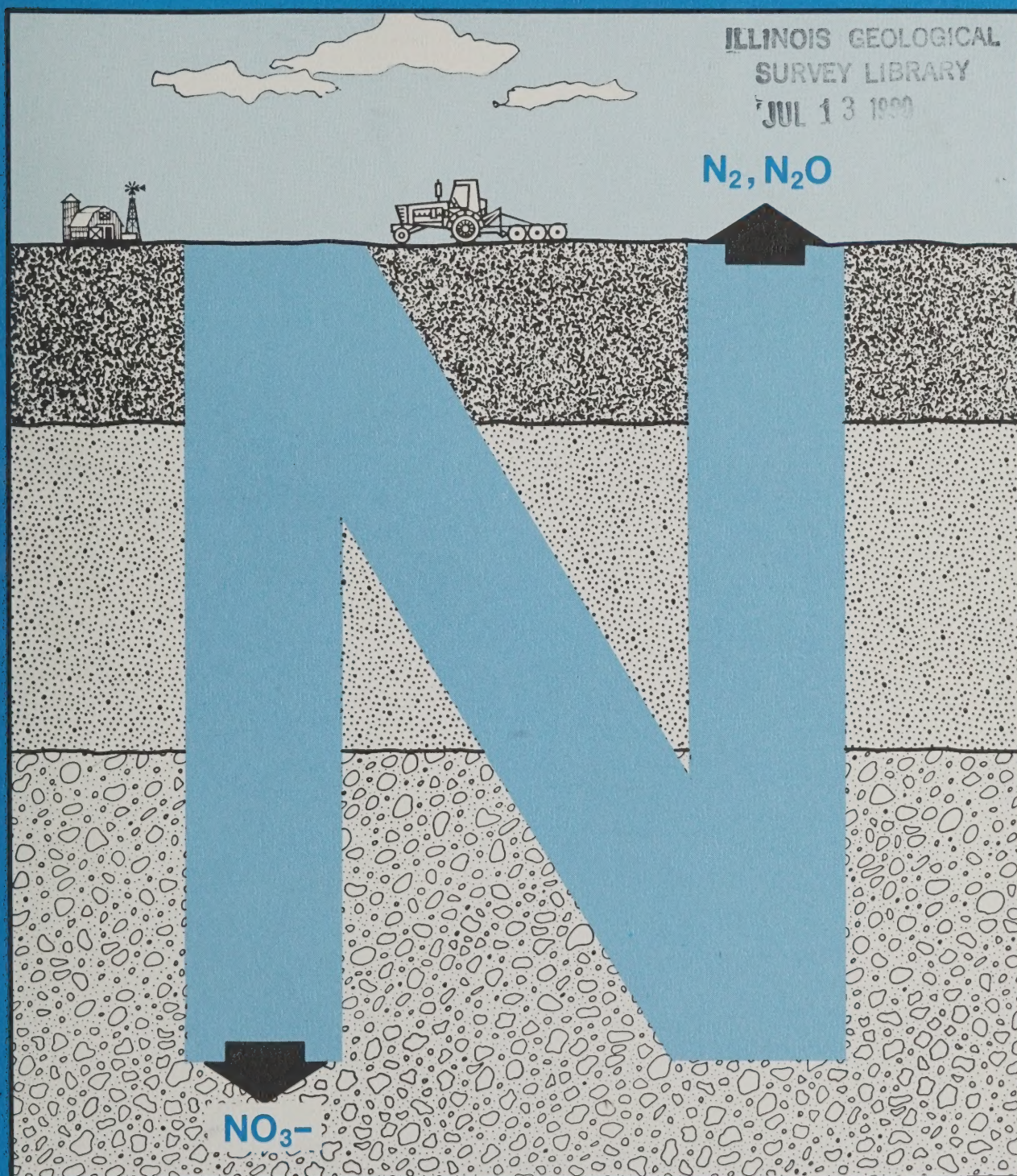


Geol Survey

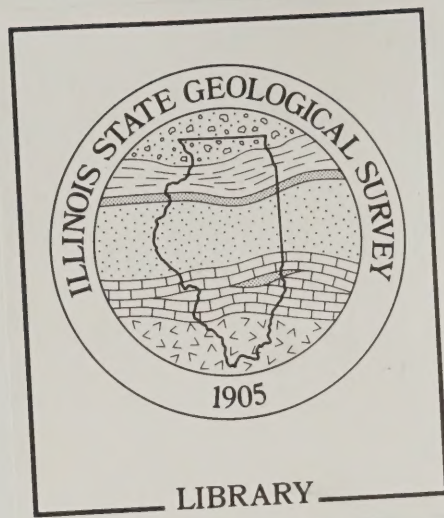
630.7
1L66
no. 784

Nitrogen-Loss Potential Ratings for Illinois Soils



Bulletin 784

University of Illinois at Urbana-Champaign, College of Agriculture,
Agricultural Experiment Station in cooperation with the Soil Conservation Service,
U.S. Department of Agriculture, 1987



COVER: This illustration depicts the two main ways that nitrogen (N) is lost from the soil: denitrification and leaching. Denitrification is the loss of nitrogen from the soil surface as nitrogen gas (N_2) and nitrous oxide gas (N_2O); leaching is the loss of nitrogen as nitrates (NO_3^-) are dissolved in the soil water and pass through the soil profile.

Nitrogen-Loss Potential Ratings for Illinois Soils

by

John D. Alexander

ILLINOIS GEOLOGICAL
SURVEY LIBRARY

JUL 13 1990

AUTHOR

J.D. Alexander, Associate Professor of Pedology, Emeritus
Department of Agronomy
University of Illinois at Urbana-Champaign

*The Illinois Agricultural Experiment Station provides equal
opportunities in programs and employment.*

Contents


Rating System for Potential Nitrogen Loss.....	3
Application of Ratings for Potential Nitrogen Loss.....	4

Tables

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735.....	7
Table 2. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1982 Soils Legend in Bulletin No. 778.....	17
Table 3. Ratings for Potential Nitrogen Loss of Soils in Illinois Counties Based on the 1969 Soils Legend in Bulletin No. 735	21
Table 4. Soils of Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735	24
Table 5. Indexes and Ratings for Potential Nitrogen Loss and Extent of Illinois Soil Associations.....	83

Figures and Maps

Figure 1. Map of Illinois counties with index ratings for potential nitrogen loss in each county	6
Figure 2. Map of Illinois showing counties with a high potential nitrogen loss	6
Figure 3. Map of Illinois showing counties with a medium potential nitrogen loss	6
Figure 4. Map of Illinois showing counties with a low potential nitrogen loss	6
Soil map of Illinois with ratings for potential nitrogen loss based on the 1982 soils legend	(pocket, inside back cover)



Digitized by the Internet Archive
in 2022 with funding from
University of Illinois Urbana-Champaign

<https://archive.org/details/nitrogenlosspote00alex>

Nitrogen is lost from the soil system in two main ways: denitrification and leaching. *Denitrification* is the loss of nitrogen that occurs when nitrite or nitrate converts to gaseous nitrogen under low oxygen or wet conditions and enters the atmosphere. *Leaching* is the loss of nitrates that have dissolved into the soil solution and moved downward through the soil profile into the groundwater or stream flow. The amount of applied nitrogen that is lost from the soil system, however, can be predicted from the variation in properties of an individual soil.

Illinois has a wide variety of soils. This bulletin identifies the rates of potential nitrogen loss for all the current soils of Illinois. As new soils are added or some existing soils are deleted from the Illinois state soils legend, this bulletin should be updated (about every five years). Once the degree of potential loss is identified, information on nitrogen management contained in the current *Illinois Agronomy Handbook* can be used. This handbook is available for a small fee from the office of a local Extension adviser or by writing the Office of Agricultural Publications at the University of Illinois, Urbana, Illinois 61801.

Rating System for Potential Nitrogen Loss

The assignment of low, medium, and high ratings for potential nitrogen loss is based on the expression or occurrence of the following soil and climatic properties: *natural soil drainage class*, *soil permeability*, *slope class*, *slope configuration*, *subsoil texture*, and *warm season rainfall*. For individual soils, each of these characteristics was assigned a value of 1, 2, or 3 to correspond to a low, medium, or high rating for that soil. These six numerical values were added to arrive at values for the individual soils ranging from 6 through 17. A *low soil rating* for potential nitrogen loss was assigned to sums ranging from 6 through 9; a *medium soil rating* to sums ranging from 10 to 13; and a *high soil rating* to sums ranging from 14 through 17. An example of this rating system for Muscatine silt loam, an extensive Illinois soil, is described below. The sum of 11 represents a medium rating of potential nitrogen loss according to this rating system. The ratings in Tables 1 and 3 are the results of the application of this procedure on all Illinois soils.

Example: Potential Nitrogen Loss for Muscatine Silt Loam

Soil characteristics	Class	Rating for potential nitrogen loss	Numerical rating
Natural soil drainage class	Somewhat poor	Medium	2
Soil permeability	Moderate	Medium	2
Slope class	2 to 4 percent	Medium	2
Slope configuration	Flat	Medium	2
Subsoil texture	Silty clay loam	Medium	2
Warm season rainfall	21 inches	Low	1
			Sum = 11

Application of Ratings for Potential Nitrogen Loss

In order to apply these ratings to individual Illinois counties, soil and acreage data from the University of Illinois Agricultural Experiment Station Bulletin No. 735, *Soil Type Acreage for Illinois* (November 1969) were used. Bulletin No. 735 reports the estimated acreage of each of the soils in Illinois for the whole state and for each county in the state. These data were collected as part of a National Conservation Needs Inventory by the Soil Conservation Service in cooperation with the University of Illinois. Soil maps were made of nearly 700,000 acres, consisting of 4,500 quarter-section samples. Taken together, these represent a random 2 percent sample of the state. Mapping was completed in 1962, and data were made available to the University of Illinois in 1965 for summary and analysis.

The soils listed here in this bulletin were given the ratings for potential nitrogen loss shown in Table 1, which is based on the 1969 Illinois soils legend. Table 2 gives the ratings for potential nitrogen loss, using the 1982 Illinois soils legend. Since the earlier legend of 1969, a few soil names have been dropped, and some new names have been added. If the rating for a particular soil cannot be found in the 1982 legend in Table 2, check Table 1. If a particular soil name that has been identified in Illinois does not occur either in Table 1 or 2, one may assume that it has been dropped from the state legend prior to 1969. If you need the rating for potential nitrogen loss of such a soil, you may call or consult with a member of the pedology staff of the Agronomy Department in the College of Agriculture at the University of Illinois, or you may consult with your local Extension adviser, who can provide the information.

Table 3 contains ratings for potential nitrogen loss in each county based on the rating for each soil and the acreage of that soil in that county as indicated in Table 4. The derivation of the county index is explained in a footnote at the end of Table 3. If a county has a large proportion of soils that have a high to medium rating for potential nitrogen loss, the county index will

be high. Conversely, if a county has a high proportion of soils with a low to medium rating for potential nitrogen loss, the county index will be low. This kind of information could be useful in the marketing and distribution of nitrogen fertilizer and related products.

In Table 4 the individual soils and their acreages in each county obtained from the uniformly derived data base of Bulletin No. 735 are grouped according to their ratings for potential nitrogen loss of each soil.

Table 5 lists the ratings for potential nitrogen loss of soil associations in Illinois. This table is based on the 1982 soils legend in Bulletin No. 778, *Soils of Illinois*.

Figure 1 is a county map of Illinois with the index ratings for potential nitrogen loss in each county. Figures 2, 3, and 4 show the counties with high, medium, and low county ratings, respectively.

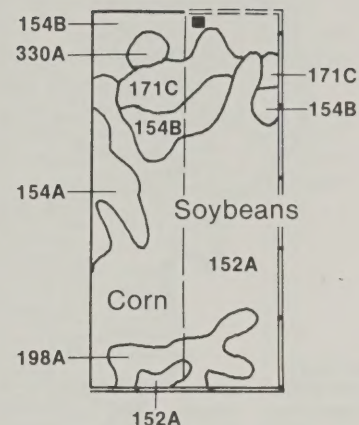
A general soil map of Illinois with ratings for potential nitrogen loss is provided on the inside back cover of this bulletin. The map is based on the information found in Bulletin No. 778.

The identification of the kinds of soil or soil series and types are necessary for the best use of information on nitrogen loss given in this bulletin. County soil reports containing information on soil classification and use may be obtained from local county Extension advisers or by writing the College of Agriculture at the University of Illinois, Urbana, Illinois 61801. For some counties there will be a small charge for each soil report. The soil map contained in most soil reports is on a scale of 4 inches to a 1 mile.

The potential for nitrogen loss on an individual farm can be determined by identifying the soils. First locate the farm on the soil maps in the soil report and list the soil found on the soil map used for crop production where nitrogen is to be applied to the soil for the crop. Then determine the acreage of each soil series, noting its location. In the example on the next page, the data are for the 40 acres in corn found in the western half of the map. Applied nitrogen would be used in the western 40 acres of this tract, which are in corn, and not in the eastern 40 acres, which are in soybeans. The approximate percent of applied nitrogen lost during the year is shown in the chart.

Soil Map of an Eighty-Acre Tract

Map unit	Soil series	Acres	Potential nitrogen loss
152A	Drummer	18	High
154A	Flanagan	5	Medium
154B	Flanagan	9	Medium
171C	Catlin	3	Low
198A	Elburn	3	Medium
330A	Peotone	2	High



Rating	Yearly rainfall	
	Average	Above average
	<i>percent</i>	
Low	5	10
Medium	10	20
High	20	40

If 150 pounds of nitrogen per acre were applied to the corn acreage, the loss during a year with average rainfall would be as follows:

20 acres
 × 150 pounds of N per acre
 × 20 percent loss = 600 pounds lost

17 acres
 × 150 pounds of N per acre
 × 10 percent loss = 255 pounds lost

3 acres
 × 150 pounds of N per acre
 × 5 percent loss = 23 pounds lost
 878 pounds lost

On a forty-acre cornfield, this loss of 878 pounds multiplied by 25 cents per pound represents a loss of \$219.50. Timely application of nitrogen and use of nitrification inhibitors, however, can help to overcome some of this loss.

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735^a

Soil number	Soil name	Total area, hundreds of acres	Percent of Illinois	Ratings for potential nitrogen loss
2	Cisne silt loam	9,675	2.944	High
2-6	Cisne-Huey complex	101	0.031	High
3	Hoyleton silt loam	4,350	1.324	Medium
3-V	Hoyleton-Tamalco complex	26	0.008	Medium
4	Richview silt loam	126	0.038	Low
5	Blair silt loam	4,184	1.273	Medium
6	Fishhook silt loam	58	0.018	Medium
7	Atlas silt loam	1,425	0.434	Medium
8	Hickory loam	10,542	3.208	Low
8-D	Hickory-Ava complex	413	0.126	Low
8-E	Hickory-Hosmer complex	245	0.074	Low
8-G	Hickory-Alford complex	33	0.010	Low
8-I	Hickory-Walshville complex	7	0.002	Low
8-M	Hickory-Sylvan complex	206	0.063	Low
8-T	Hickory-Hennepin complex	223	0.068	Low
8-W	Hickory-Gosport complex	311	0.095	Low
8-Z	Hickory-Negley complex	103	0.031	Low
9	Sandstone rock land	331	0.101	High
12	Wynoose silt loam	3,205	0.975	High
13	Bluford silt loam	7,786	2.369	Medium
14	Ava silt loam	3,691	1.123	Low
15	Parke silt loam	110	0.033	Low
16	Rushville silt loam	245	0.075	High
17	Keomah silt loam	2,670	0.812	Medium
18	Clinton silt loam	5,751	1.750	Low
18-X	Clinton-Hickory complex	31	0.009	Low
19	Sylvan silt loam	1,355	0.412	Low
19-K	Sylvan-Bold complex	797	0.243	Low
21	Pecatonica silt loam	760	0.231	Low
22	Westville silt loam	297	0.090	Low
23	Blount silt loam	395	0.120	Medium
24	Dodge silt loam	1,286	0.391	Low
25	Hennepin loam	1,637	0.498	Low
26	Wagner silt loam	95	0.029	High
27	Miami silt loam	365	0.111	Low
28	Jules silt loam	250	0.076	Medium
29	Dubuque silt loam	971	0.295	Low
30	Hamburg silt	111	0.034	Low
31	Levan loamy fine sand	99	0.030	Low
34	Tallula silt loam	248	0.075	Low
34-K	Tallula-Bold complex	60	0.018	Low
35	Bold silt loam	135	0.041	Low
36	Tama silt loam	11,420	3.475	Low
37	Worthen silt loam	539	0.164	Low
39	Oakford silt loam	52	0.016	Low
40	Dodgeville silt loam	139	0.042	Low
41	Muscatine silt loam	8,015	2.439	Medium
42	Papineau fine sandy loam	29	0.009	Medium
43	Ipava silt loam	5,941	1.808	Medium
45	Denny silt loam	358	0.109	High

continued

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735^a (continued)

Soil number	Soil name	Total area, hundreds of acres	Percent of Illinois	Ratings for potential nitrogen loss
46	Herrick silt loam	4,591	1.397	Medium
46-O	Herrick-Piasa complex	697	0.212	Medium
47	Virden silt loam	455	0.138	High
48	Ebbert silt loam	1,075	0.327	High
49	Watseka loamy fine sand	198	0.060	High
50	Virden silty clay loam	1,564	0.476	High
53	Bloomfield fine sand	649	0.197	High
54	Plainfield sand	676	0.206	High
55	Sidell silt loam	237	0.072	Low
56	Dana silt loam	515	0.157	Low
57	Montmorenci silt loam	304	0.093	Low
59	Lisbon silt loam	1,152	0.351	Medium
60	LaRose silt loam	720	0.219	Low
61	Atterberry silt loam	1,167	0.355	Medium
62	Herbert silt loam	93	0.028	Medium
64	Calcareous Darwin	146	0.044	High
65	Illioopolis silty clay loam	3,769	1.147	High
67	Harpster silt clay loam	1,533	0.466	High
68	Sable silty clay loam	3,474	1.057	High
69	Milford silty clay loam	1,071	0.326	High
70	Beaucoup silty clay loam	2,630	0.800	High
71	Darwin silty clay	1,137	0.346	High
71-A	Darwin silty clay, wet	185	0.056	High
72	Sharon silt loam	515	0.157	Medium
73	Ross loam	877	0.267	Medium
74	Radford silt loam	1,166	0.355	Medium
74-A	Radford silt loam, wet	57	0.017	High
75	Drury silt loam	168	0.051	Low
76	Otter silt loam	246	0.075	Medium
76-A	Otter silt loam, wet	178	0.054	High
77	Huntsville silt loam	1,172	0.357	Low
78	Arenzville silt loam	168	0.051	Medium
79	Volinia silt loam	304	0.092	Medium
80	Alexis silt loam	631	0.192	Low
81	Littleton silt loam	568	0.173	Medium
82	Millington loam	144	0.035	Medium
82-A	Millington loam, wet	82	0.025	High
83	Wabash silty clay	585	0.178	High
83-A	Wabash silty clay, wet	119	0.036	High
84	Okaw silt loam	527	0.160	High
85	Jacob clay	45	0.014	High
87	Dickinson sandy loam	1,373	0.418	High
88	Hagener loamy sand	609	0.185	High
89	Maumee fine sandy loam	82	0.025	High
89-A	Maumee fine sandy loam, wet	19	0.006	High
90	Plainfield fine sand	243	0.074	High
91	Swygert silty clay loam	2,011	0.612	Medium
92	Sarpy sand	37	0.011	High
93	Rodman gravelly loam	122	0.037	Medium
93-3	Rodman-Lorenzo complex	6	0.002	Medium

continued

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735^a (continued)

Soil number	Soil name	Total area, hundreds of acres	Percent of Illinois	Ratings for potential nitrogen loss
93-4	Rodman-Casco complex	18	0.005	Medium
94	Limestone rock land	152	0.046	Low
95	Shale rock land	27	0.008	Low
97	Houghton peat	44	0.013	High
98	Ade loamy fine sand	558	0.170	High
101	Milroy fine sandy loam	35	0.011	High
102	LaHogue loam	891	0.271	Medium
103	Houghton muck	790	0.240	High
104	Virgil silt loam	324	0.099	Medium
105	Batavia silt loam	262	0.080	Low
107	Sawmill silty clay loam	1,397	0.425	High
107-A	Sawmill silty clay loam, wet	318	0.097	High
108	Bonnie silt loam	2,632	0.801	High
108-A	Bonnie silt loam, wet	488	0.148	High
109	Racoon silt loam	641	0.195	High
110	Venedy silt loam	9	0.003	High
112	Cowden silt loam	2,195	0.668	High
112-6	Cowden-Huey complex	140	0.043	High
112-O	Cowden-Piasa complex	516	0.157	High
113	Oconee silt loam	1,551	0.472	Medium
113-6	Oconee-Huey complex	38	0.012	Medium
113-V	Oconee-Tamalco complex	153	0.047	Medium
114	O'Fallon silt loam	40	0.012	Medium
119	Elco silt loam	462	0.141	Medium
120	Huey silt loam	767	0.233	High
122	Colp silt loam	352	0.107	Medium
123	River wash sand and gravel	12	0.004	High
124	Beaucoup gravelly clay loam	31	0.009	High
125	Selma loam	725	0.221	High
125-A	Selma loam, wet	35	0.011	High
126	Bonpas silty clay loam	353	0.107	High
127	Harrison silt loam	1,322	0.402	Low
128	Douglas silt loam	175	0.053	Low
130	Pittwood fine sandy loam	118	0.036	High
130-A	Pittwood fine sandy loam, wet	17	0.005	High
131	Alvin fine sandy loam	715	0.218	Medium
132	Starks silt loam	749	0.230	Medium
134	Camden silt loam	1,847	0.562	Low
136	Brooklyn silt loam	66	0.020	High
137	Ellison silt loam	64	0.019	Low
138	Shiloh silty clay loam	104	0.032	High
141	Wesley sandy loam	29	0.009	Medium
142	Patton silty clay loam	603	0.183	High
144	Alvin sandy loam	32	0.010	Medium
145	Saybrook silt loam	4,269	1.299	Low
146	Elliott silt loam	3,640	1.108	Medium
147	Clarence silty clay loam	535	0.163	Medium
148	Proctor silt loam	1,981	0.603	Low
149	Brenton silt loam	3,228	0.982	Medium
150	Onarga sandy loam	239	0.073	Low

continued

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735^a (continued)

Soil number	Soil name	Total area, hundreds of acres	Percent of Illinois	Ratings for potential nitrogen loss
151	Ridgeville fine sandy loam	551	0.168	Low
152	Drummer silty clay loam	19,825	6.033	High
152-A	Drummer silty clay loam, wet	86	0.026	High
153	Pella silty clay loam	940	0.286	High
154	Flanagan silt loam	10,867	3.307	Medium
155	Stockland loam	46	0.014	Low
156	Ridgeville sandy loam	21	0.006	Low
157	Rankin sandy loam	18	0.005	Medium
159	Pilot silt loam	506	0.154	Low
161	Newart silt loam	332	0.101	High
162	Gorham silty clay loam	372	0.113	High
162-A	Gorham silty clay loam, wet	30	0.009	High
164	Stoy silt loam	2,836	0.863	Medium
165	Weir silt loam	910	0.277	High
167	Lukin silt loam	55	0.017	High
171	Catlin silt loam	3,771	1.147	Low
172	Hoopeston sandy loam	601	0.183	High
173	McGary silt loam	193	0.059	High
175	Lamont fine sandy loam	370	0.113	High
176	Marissa silt loam	208	0.063	Medium
178	Ruark fine sandy loam	60	0.018	High
180	Dupo silt loam	257	0.078	Medium
180-A	Dupo silt loam, wet	16	0.005	High
181	Dupo fine sandy loam	10	0.003	Medium
184	Roby fine sandy loam	418	0.127	Medium
187	Milroy sandy loam	75	0.023	High
188	Beardstown loam	39	0.012	Medium
189	Martinton silt loam	307	0.093	Medium
190	Onarga fine sandy loam	472	0.144	Low
192	Del Rey silt loam	60	0.018	Medium
194	Morley silt loam	1,011	0.308	Low
196	Harpster fine sandy loam	44	0.013	High
197	Troxel silt loam	28	0.009	Medium
198	Elburn silt loam	2,449	0.745	Medium
199	Plano silt loam	1,778	0.541	Low
200	Orio sandy loam	246	0.075	High
201	Gilford fine sandy loam	413	0.126	High
201-A	Gilford fine sandy loam, wet	9	0.003	High
202	Biggs sandy loam	19	0.006	High
203	Kilborne loamy sand	7	0.002	High
204	Ayr sandy loam	99	0.030	Low
205	Metea sandy loam	54	0.016	Low
206	Thorp silt loam	810	0.246	High
206-A	Thorp silt loam, wet	19	0.006	High
207	Ward silt loam	64	0.019	High
208	Sexton silt loam	392	0.119	High
209	Ellison sandy loam	8	0.002	Low
210	Lena muck	158	0.048	High
212	Thebes silt loam	16	0.005	Medium
214	Hosmer silt loam	6,260	1.905	Low

continued

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735^a (continued)

Soil number	Soil name	Total area, hundreds of acres	Percent of Illinois	Ratings for potential nitrogen loss
215	Wartrace silt loam	942	0.287	Low
216	Stookey silt loam	128	0.039	Low
216-N	Stookey-Bodine complex	137	0.042	Low
218	Newberry silt loam	845	0.257	High
219	Millbrook silt loam	570	0.173	Medium
220	Plattville silt loam	201	0.061	Low
221	Parr silt loam	97	0.030	Low
223	Varna silt loam	1,097	0.334	Low
224	Strawn silt loam	1,620	0.493	Low
225	Beaver silt loam	17	0.005	Medium
227	Argyle silt loam	112	0.034	Low
228	Nappanee silt loam	300	0.091	Medium
229	Monee silt loam	34	0.010	High
230	Rowe silty clay	359	0.109	High
232	Ashkum silt clay loam	2,133	0.649	High
233	Birkbeck silt loam	1,447	0.440	Low
234	Sunbury silt loam	355	0.108	Medium
235	Bryce silty clay	1,662	0.506	High
236	Sabina silt loam	806	0.245	Medium
238	Rantoul silty clay	67	0.020	High
238-A	Rantoul silty clay, wet	12	0.004	High
239	Dorchester silt loam	221	0.067	Medium
241	Chatsworth silt loam	150	0.046	Medium
242	Kendall silt loam	118	0.036	Medium
243	St. Charles silt loam	372	0.113	Low
244	Hartsburg silty clay loam	581	0.177	High
246	Bolivia silt loam	3,177	0.967	Medium
247	Tovey silt loam	674	0.205	Low
248	McFain silty clay	36	0.011	High
249	Edinburg silty clay loam	25	0.008	High
250	Velma loam	733	0.223	Low
250-I	Velma-Washville complex	23	0.007	Low
252	Harvel silty clay loam	13	0.004	High
253	Stonington loam	69	0.021	Low
256	Pana silt loam	32	0.010	Low
257	Clarksdale silt loam	2,184	0.665	Medium
258	Sicily silt loam	2,416	0.735	Medium
259	Assumption silt loam	299	0.091	Low
261	Niota silt loam	32	0.010	High
262	Denrock silt loam	32	0.010	Medium
263	Fall silt loam	98	0.030	Low
264	El Dara sandy loam	97	0.030	Low
265	Lomax loam	313	0.095	Medium
266	Disco sandy loam	117	0.036	Medium
267	Curran silt loam	21	0.006	Medium
268	Mt. Carroll silt loam	103	0.031	Low
270	Oquawka sand	308	0.094	High
271	Timula silt loam	131	0.040	Low
272	Edgington silt loam	78	0.024	High
273	Decorra silt loam	151	0.046	Low

continued

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735^a (continued)

Soil number	Soil name	Total area, hundreds of acres	Percent of Illinois	Ratings for potential nitrogen loss
274	Seaton silt loam	762	0.232	Low
275	Joy silt loam	253	0.077	Low
276	Biggsville silt loam	29	0.009	Low
277	Port Byron silt loam	405	0.123	Low
278	Stronghurst silt loam	494	0.150	Medium
279	Rozetta silt loam	2,169	0.660	Low
280	Fayette silt loam	7,056	2.147	Low
280-F	Fayette-Hickory complex	171	0.052	Low
280-N	Fayette-Bodine complex	235	0.072	Low
281	Hopper silt loam	15	0.005	Low
281-F	Hopper-Hickory complex	260	0.079	Low
282	Chute fine sand	17	0.005	High
283	Clary silt loam	1,674	0.509	Low
284	Tice silty clay loam	875	0.266	High
284-A	Tice silty clay loam, wet	41	0.012	High
285	Carmi loam	274	0.083	Medium
286	Carmi sandy loam	105	0.032	Medium
287	Chauncey silt loam	378	0.115	High
288	Petrolia silty clay loam	526	0.160	High
288-A	Petrolia silty clay loam, wet	22	0.007	High
289	Omaha loam	71	0.022	Medium
290	Warsaw silt loam	368	0.112	Low
291	Xenia silt loam	558	0.170	Low
292	Wallkill silt loam	14	0.004	High
293	Andres silt loam	1,741	0.530	Medium
294	Symerton silt loam	747	0.227	Low
295	Mokena silt loam	1,201	0.365	Medium
296	Washtenaw silt loam	16	0.005	High
297	Ringwood silt loam	237	0.072	Low
298	Beecher silt loam	813	0.247	Medium
299	Nippersink silt loam	66	0.020	Low
300	Abington clay loam	30	0.010	High
301	Grantsburg silt loam	1,656	0.504	Low
303	Sawmill clay loam	47	0.014	High
304	Landes fine sandy loam	569	0.173	Medium
305	Palestine loam	16	0.005	Medium
306	Allison silty clay loam	436	0.133	Medium
307	Iona silt loam	59	0.018	Medium
308	Alford silt loam	3,030	0.922	Low
309	Keytesville silt loam	2	0.001	Medium
310	McHenry silt loam	168	0.051	Low
311	Ritchey silt loam	50	0.015	Low
312	Rollin muck	42	0.013	High
312-A	Rollin muck, wet	10	0.003	High
313	Rodman loam	36	0.011	Medium
314	Joliet silty clay loam	30	0.009	High
315	Channahon silt loam	156	0.017	Low
316	Romeo silt loam	106	0.032	High
317	Millsdale silty clay loam	127	0.039	High
318	Lorenzo silt loam	141	0.043	Medium

continued

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735^a (continued)

Soil number	Soil name	Total area, hundreds of acres	Percent of Illinois	Ratings for potential nitrogen loss
320	Frankfort silt loam	520	0.158	Medium
321	DuPage silt loam	275	0.084	Medium
322	Russell silt loam	678	0.206	Low
323	Casco silt loam	243	0.074	Low
323-5	Casco-Fox complex	37	0.011	Low
325	Dresden silt loam	139	0.042	Low
327	Fox silt loam	202	0.061	Low
328	Cullo silt loam	207	0.063	Medium
329	Will silty clay loam	87	0.026	High
330	Peotone silty clay loam	455	0.138	High
330-A	Peotone silty clay loam, wet	87	0.026	High
331	Haymond silt loam	760	0.231	Medium
332	Billet sandy loam	87	0.026	High
333	Wakeland silt loam	2,388	0.727	Medium
333-A	Wakeland silt loam, wet	17	0.005	High
334	Birds silt loam	494	0.150	High
334-A	Birds silt loam, wet	11	0.003	High
335	Robbs silt loam	119	0.036	Medium
337	Creal silt loam	44	0.013	Medium
338	Hurst silt loam	372	0.113	High
339	Wellston silt loam	589	0.179	Low
339-H	Wellston-Muskingum complex	392	0.119	Low
340	Zanesville silt loam	1,030	0.313	Low
342	Matherton silt loam	3	0.001	Medium
343	Kane silt loam	82	0.025	Medium
344	Harvard silt loam	420	0.128	Low
346	Dowagiac silt loam	13	0.004	Low
347	Harpster loam	460	0.140	High
348	Wingate silt loam	87	0.026	Medium
353	Toronto silt loam	118	0.036	Medium
358	Loamy burned muck	4	0.001	High
359	Epworth fine sandy loam	54	0.016	Low
361	Lapeer loam	366	0.111	Low
362	Lorenzo sandy loam	22	0.007	Medium
363	Griswold loam	243	0.074	Low
364	Pistakee silt loam	11	0.003	Medium
375	Rutland silt loam	442	0.134	Medium
382	Belknap silt loam	5,041	1.534	Medium
382-A	Belknap silt loam, wet	103	0.031	High
385	Atlanta silt loam	206	0.063	Low
386	Downs silt loam	2,766	0.842	Low
387	Ockley silt loam	25	0.008	Low
388	Wenona silt loam	88	0.027	Low
394	Longlois silt loam	11	0.003	Low
397	Boone loamy fine sand	50	0.015	High
398	Wea silt loam	105	0.032	Medium
400	Calco silty clay loam	231	0.070	High
400-A	Calco silty clay loam, wet	31	0.009	High
410	Woodbine silt loam	295	0.090	Low
411	Ashdale silt loam	346	0.105	Low

continued

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735^a (continued)

Soil number	Soil name	Total area, hundreds of acres	Percent of Illinois	Ratings for potential nitrogen loss
412	Ogle silt loam	307	0.093	Low
413	Gale silt loam	13	0.004	Low
414	Myrtle silt loam	220	0.067	Low
415	Orion silt loam	294	0.089	Medium
416	Durand silt loam	230	0.070	Low
417	Derinda silt loam	145	0.044	Low
418	Schapville silt loam	2	0.001	Low
419	Flagg silt loam	112	0.034	Low
420	Piopolis silty clay loam	592	0.180	High
420-A	Piopolis silty clay loam, wet	280	0.085	High
421	Kell loam	72	0.022	Low
422	Cape silty clay loam	397	0.121	High
422-A	Cape silty clay loam, wet	52	0.016	High
425	Muskingum stony silt loam	559	0.170	Low
426	Karnak silty clay	334	0.102	High
426-A	Karnak silty clay, wet	142	0.043	High
427	Burnside silt loam	108	0.033	Medium
429	Palsgrove silt loam	877	0.267	Low
435	Streator silty clay loam	166	0.051	High
442	Mundelein silt loam	178	0.054	Medium
443	Barrington silt loam	94	0.029	Low
448	Mona silt loam	130	0.040	Medium
451	Lawson silt loam	6,523	1.985	Medium
451-A	Lawson silt loam, wet	339	0.103	High
452	Riley silty clay loam	366	0.111	Medium
453	Muren silt loam	799	0.243	Low
454	Iva silt loam	126	0.038	Medium
455	Mixed alluvial land	374	0.114	High
455-A	Mixed alluvial land, wet	239	0.073	High
456	Ware silt loam	55	0.017	Low
460	Ginat silt loam	228	0.069	High
461	Weinbach silt loam	159	0.048	Medium
462	Sciotoville silt loam	133	0.040	Medium
463	Wheeling silt loam	44	0.013	Low
465	Montgomery silty clay	497	0.151	High
465-A	Montgomery silty clay, wet	7	0.002	High
467	Markland silt loam	65	0.020	Medium
470	Keller silt loam	389	0.118	Medium
471	Bodine cherty silt loam	277	0.083	Low
472	Baylis silt loam	108	0.033	Low
474	Piasa silt loam	677	0.206	High
475	Elsah cherty silt loam	211	0.064	Medium
481	Raub silt loam	458	0.139	Medium
482	Uniontown silt loam	166	0.051	Low
483	Henshaw silt loam	431	0.131	Medium
490	Odell silt loam	258	0.079	Medium
492	Shallow to limestone rubble	31	0.009	Medium
495	Corwin silt loam	291	0.089	Low
496	Fincastle silt loam	394	0.120	Medium
497	Mellott silt loam	74	0.023	Low

continued

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735^a (continued)

Soil number	Soil name	Total area, hundreds of acres	Percent of Illinois	Ratings for potential nitrogen loss
501	Morocco fine sand	35	0.011	High
504	Sogn silt loam	526	0.160	Medium
506	Hitt silt loam	293	0.089	Low
514	Andres loam	119	0.036	Medium
515	Mokena loam	64	0.019	Medium
518	Frankfort sandy loam	37	0.011	Medium
520	Dark sandy over limestone	35	0.011	Low
525	Darwin silty clay loam	82	0.025	High
531	Markham silt loam	269	0.082	Medium
546	Keltner silt loam	3	0.001	Low
547	Eleroy silt loam	272	0.083	Low
549	Marseilles silt loam	3	0.001	Low
551	Gosport silt loam	491	0.149	Medium
554	Kernan silt loam	43	0.013	Medium
562	Ideal silt loam	116	0.035	Low
563	Fay silt loam	69	0.021	Low
564	Ustick silt loam	74	0.023	Low
565	Wysox silt loam	99	0.030	Low
567	Elkhart silt loam	402	0.122	Low
568	Perrot silty clay loam	28	0.009	High
572	Loran silt loam	9	0.003	Medium
578	Dorchester silt loam, rocky substratum	36	0.011	Low
581	Tamalco silt loam	931	0.283	Medium
583	Pike silt loam	131	0.040	Low
584	Walshville loam	11	0.003	Medium
585	Negley loam	115	0.035	Medium
586	Nokomis loam	41	0.012	Medium
587	Terril loam	58	0.018	Low
589	Bowdre silty clay	58	0.018	High
589-A	Bowdre silty clay, wet	10	0.003	High
590	Cairo silty clay	139	0.042	High
594	Reddick silty clay loam	2,478	0.754	High
608	Ockley loam	13	0.004	Low
609	Crane silt loam	20	0.006	Medium
617	Otterbein silt loam	17	0.005	Medium
628	Brandon silt loam	38	0.012	Low
633	Traer silt loam	29	0.009	High
635	Onarga loam	146	0.044	Low
636	Fox sandy loam	9	0.003	Medium
640	Shallow to shale	357	0.109	Low
651	Selma silt loam	194	0.059	High
653	Milroy silt loam	2	0.001	High
659	Light sand over sandstone	14	0.004	High
660	Coatsburg silt loam	226	0.069	Medium
672	Swygert sandy loam	9	0.003	Medium
673	Ebner fine sandy loam	32	0.010	Low
683	Lawndale silt loam	181	0.055	Medium
684	Broadwell silt loam	352	0.107	Low
685	Middletown silt loam	52	0.016	Low
696	Zurich silt loam	45	0.014	Low

continued

Table 1. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735^a (continued)

Soil number	Soil name	Total area, hundreds of acres	Percent of Illinois	Ratings for potential nitrogen loss
697	Wauconda silt loam	11	0.003	Medium
698	Grays silt loam	7	0.002	Low
723	Reesville silt loam	13	0.004	Medium
727	Dickinson loam	265	0.081	Low
728	Winnebago silt loam	57	0.017	Low
731	Nasset silt loam	124	0.038	Low
734	Disco loam	42	0.013	Low
743	Ridott silt loam	152	0.047	Medium
744	Gratiot silt loam	45	0.014	Medium
752	Oneco silt loam	40	0.012	Low
766	Millsdale silty clay	28	0.009	High
772	Pittwood clay loam	219	0.067	Medium
State total		328,633	100.000	

^a This list of soils is from Bulletin No. 735 *Soil Type Acreages for Illinois* by Runge, Tyler, and Carmer (1969). Since 1969, a few soils have been dropped, and some new soils added to the current (1982) soils legend.

Table 2. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1982 Soils Legend in Bulletin No. 778

Soil series			Soil series		
Number	Name	Rating ^a	Number	Name	Rating ^a
2	Cisne silt loam	H	75	Drury silt loam	L
3	Hoyleton silt loam	M	76	Otter silt loam	M
4	Richview silt loam	L	77	Huntsville silt loam	L
5	Blair silt loam	M	78	Arenzville silt loam	M
6	Fishhook silt loam	M	81	Littleton silt loam	M
7	Atlas silt loam	M	82	Millington loam	M
8	Hickory loam	L	83	Wabash silty clay	H
12	Wynoose silt loam	H	84	Okaw silt loam	H
13	Bluford silt loam	M	85	Jacob clay	H
14	Ava silt loam	L	87	Dickinson sandy loam	H
15	Parke silt loam	L	88	Sparta loamy sand (Hagener)	H
16	Rushville silt loam	H	89	Maumee fine sandy loam	H
17	Keomah silt loam	M	91	Swygert silty clay loam	M
18	Clinton silt loam	L	92	Sarpy sand	H
19	Sylvan silt loam	L	93	Rodman gravelly loam	M
21	Pecatonica silt loam	L	97	Houghton peat	H
22	Westville silt loam	L	98	Ade loamy fine sand	H
23	Blount silt loam	M	100	Palms muck	H
24	Dodge silt loam	L	102	LaHogue loam	M
25	Hennepin loam	L	103	Houghton muck	H
26	Wagner silt loam	H	104	Virgil silt loam	M
27	Miami silt loam	L	105	Batavia silt loam	L
28	Jules silt loam	M	107	Sawmill silty clay loam	H
29	Dubuque silt loam	L	108	Bonnie silt loam	H
30	Hamburg silt	L	109	Racoon silt loam	H
34	Tallula silt loam	L	112	Cowden silt loam	H
35	Bold silt loam	L	113	Oconee silt loam	M
36	Tama silt loam	L	116	Whitson silt loam	H
37	Worthen silt loam	L	119	Elco silt loam	M
40	Dodgeville silt loam	L	120	Huey silt loam	H
41	Muscatine silt loam	M	122	Colp silt loam	M
42	Papineau fine sandy loam	M	125	Selma loam	H
43	Ipava silt loam	M	127	Harrison silt loam	L
45	Denny silt loam	H	128	Douglas silt loam	L
46	Herrick silt loam	M	131	Alvin fine sandy loam	M
48	Ebbert silt loam	H	132	Starks silt loam	M
49	Watseka loamy fine sand	H	134	Camden silt loam	L
50	Virden silty clay loam	H	136	Brooklyn silt loam	H
53	Bloomfield fine sand	H	137	Ellison silt loam	L
54	Plainfield sand	H	138	Shiloh silty clay loam	H
55	Sidell silt loam	L	141	Wesley sandy loam	M
56	Dana silt loam	L	142	Patton silty clay loam	H
57	Montmorenci silt loam	L	145	Saybrook silt loam	L
59	Lisbon silt loam	M	146	Elliott silt loam	M
60	LaRose silt loam	L	147	Clarence silty clay loam	M
61	Atterberry silt loam	M	148	Proctor silt loam	L
62	Herbert silt loam	M	149	Brenton silt loam	M
67	Harpster silty clay loam	H	150	Onarga sandy loam	L
68	Sable silty clay loam	H	151	Ridgeville fine sandy loam	L
69	Milford silty clay loam	H	152	Drummer silty clay loam	H
70	Beaucoup silty clay loam	H	153	Pella silty clay loam	H
71	Darwin silty clay	H	154	Flanagan silt loam	M
72	Sharon silt loam	M	155	Stockland loam	L
73	Ross loam	M	159	Pilot silt loam	L
74	Radford silt loam	M	162	Gorham silty clay loam	H

continued

Table 2. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1982 Soils Legend in Bulletin No. 778 (continued)

Soil series			Soil series		
Number	Name	Rating ^a	Number	Name	Rating ^a
164	Stoy silt loam	M	256	Pana silt loam	L
165	Weir silt loam	H	257	Clarksdale silt loam	M
167	Lukin silt loam	H	259	Assumption silt loam	L
171	Catlin silt loam	L	261	Niota silt loam	H
172	Hoopeston sandy loam	H	262	Denrock silt loam	M
173	McGary silt loam	H	264	El Dara sandy loam	L
175	Lamont fine sandy loam	H	265	Lomax loam	M
176	Marissa silt loam	M	266	Disco sandy loam	M
178	Ruark fine sandy loam	H	268	Mt. Carroll silt loam	L
180	Dupo silt loam	M	271	Timula silt loam	L
184	Roby fine sandy loam	M	272	Edgington silt loam	H
187	Milroy sandy loam	H	274	Seaton silt loam	L
188	Beardstown loam	M	275	Joy silt loam	L
189	Martinton silt loam	M	277	Port Byron silt loam	L
191	Knight silt loam	H	278	Stronghurst silt loam	M
192	Del Rey silt loam	M	279	Rozetta silt loam	L
194	Morley silt loam	L	280	Fayette silt loam	L
196	Harpster fine sandy loam	H	282	Chute fine sand	H
197	Troxel silt loam	M	284	Tice silty clay loam	H
198	Elburn silt loam	M	286	Carmi sandy loam	M
199	Plano silt loam	L	287	Chauncey silt loam	H
200	Orio sandy loam	H	288	Petrolia silty clay loam	H
201	Gilford fine sandy loam	H	289	Omaha loam	M
204	Ayr sandy loam	L	290	Warsaw silt loam	L
205	Metea sandy loam	L	291	Xenia silt loam	L
206	Thorp silt loam	H	292	Wallkill silt loam	H
208	Sexton silt loam	H	293	Andres silt loam	M
210	Lena muck	H	294	Symerton silt loam	L
212	Thebes silt loam	M	295	Mokena silt loam	M
214	Hosmer silt loam	L	296	Washtenaw silt loam	H
218	Newberry silt loam	H	297	Ringwood silt loam	L
219	Millbrook silt loam	M	298	Beecher silt loam	M
221	Parr silt loam	L	300	Abington clay loam	H
223	Varna silt loam	L	301	Grantsburg silt loam	L
224	Strawn silt loam	L	302	Ambraw clay loam	H
227	Argyle silt loam	L	304	Landes fine sandy loam	M
228	Nappanee silt loam	M	306	Allison silty clay loam	M
229	Monee silt loam	H	307	Iona silt loam	M
230	Rowe silty clay	H	308	Alford silt loam	L
232	Ashkum silt clay loam	H	310	McHenry silt loam	L
233	Birkbeck silt loam	L	311	Ritchey silt loam	L
234	Sunbury silt loam	M	312	Rollin muck	H
235	Bryce silty clay	H	314	Joliet silty clay loam	H
236	Sabina silt loam	M	315	Channahon silt loam	L
238	Rantoul silty clay	H	316	Romeo silt loam	H
239	Dorchester silt loam	M	317	Millsdale silty clay loam	H
240	Plattville silt loam	L	318	Lorenzo silt loam	M
241	Chatsworth silt loam	M	320	Frankfort silt loam	M
242	Kendall silt loam	M	321	DuPage silt loam	M
243	St. Charles silt loam	L	322	Russell silt loam	L
244	Hartsburg silty clay loam	H	323	Casco silt loam	L
248	McFain silty clay	H	324	Ripon silt loam	L
249	Edinburg silty clay loam	H	325	Dresden silt loam	L
250	Velma loam	L	326	Homer silt loam	M
253	Stonington loam	L	327	Fox silt loam	L

continued

Table 2. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1982 Soils Legend in Bulletin No. 778 (continued)

Soil series			Soil series		
Number	Name	Rating ^a	Number	Name	Rating ^a
329	Will silty clay loam	H	421	Kell loam	L
330	Peotone silty clay loam	H	422	Cape silty clay loam	H
331	Haymond silt loam	M	424	Shoals silt loam	M
332	Billet sandy loam	H	425	Muskingum stony silt loam	L
333	Wakeland silt loam	M	426	Karnak silty clay	H
334	Birds silt loam	H	427	Burnside silt loam	M
335	Robbs silt loam	M	428	Coffeen silt loam	M
337	Creal silt loam	M	429	Palsgrove silt loam	L
338	Hurst silt loam	H	430	Raddle silt loam	L
339	Wellston silt loam	L	431	Genesee silt loam	M
340	Zanesville silt loam	L	435	Streator silty clay loam	H
342	Matherton silt loam	M	440	Jasper silt loam	L
343	Kane silt loam	M	442	Mundelein silt loam	M
344	Harvard silt loam	L	443	Barrington silt loam	L
346	Dowagiac silt loam	L	444	Bungay silt loam	H
347	Harpster loam	H	448	Mona silt loam	M
348	Wingate silt loam	M	451	Lawson silt loam	M
353	Toronto silt loam	M	452	Riley silty clay loam	M
354	Hononegah loamy coarse sand	H	453	Muren silt loam	L
361	Lapeer loam	L	454	Iva silt loam	M
363	Griswold loam	L	456	Ware silt loam	L
365	Aptakisic silt loam	M	457	Booker silty clay	H
369	Waupecan silt loam	L	460	Ginat silt loam	H
370	Saylesville silt loam	L	461	Weinbach silt loam	M
375	Rutland silt loam	M	462	Sciotoville silt loam	M
379	Dakota silt loam	L	463	Wheeling silt loam	L
380	Fieldon loam	M	465	Montgomery silty clay	H
382	Belknap silt loam	M	467	Markland silt loam	M
386	Downs silt loam	L	469	Emma silty clay loam	L
387	Ockley silt loam	L	470	Keller silt loam	M
388	Wenona silt loam	L	471	Bodine cherty silt loam	L
389	Hesch loamy sand, thin to sandstone	M	472	Baylis silt loam	L
390	Hesch fine sandy loam	M	474	Piasa silt loam	H
393	Marseilles silt loam, gray subsoil	M	475	Elsah cherty silt loam	M
397	Boone loamy fine sand	H	481	Raub silt loam	M
398	Wea silt loam	M	482	Uniontown silt loam	L
400	Calco silty clay loam	H	484	Harco silt loam	M
402	Colo silty clay loam	H	490	Odell silt loam	M
404	Titus silty clay loam	H	493	Bonfield loam	M
410	Woodbine silt loam	L	494	Kankakee fine sandy loam	L
411	Ashdale silt loam	L	495	Corwin silt loam	L
412	Ogle silt loam	L	496	Fincastle silt loam	M
413	Gale silt loam	L	501	Morocco fine sand	H
414	Myrtle silt loam	L	503	Rockton loam	L
415	Orion silt loam	M	504	Sogn silt loam	M
416	Durand silt loam	L	505	Dunbarton silt loam	L
417	Derinda silt loam	L	506	Hitt silt loam	L
418	Schapville silt loam	L	508	Selma loam, bedrock substratum	M
419	Flagg silt loam	L	509	Whalan loam	L
420	Piopolis silty clay loam	H	511	Dunbarton silt loam, cherty variant	L

continued

Table 2. Ratings of Illinois Soils for Potential Nitrogen Loss Based on the 1982 Soils Legend in Bulletin No. 778 (continued)

Soil series			Soil series		
Number	Name	Rating ^a	Number	Name	Rating ^a
515	Mokena loam	H	650	Prairieville silt loam	M
516	Faxon clay loam	H	656	Octagon silt loam	L
524	Zipp silty clay loam	H	660	Coatsburg silt loam	M
531	Markham silt loam	M	661	Atkinson loam	L
537	Hesch fine sandy loam, gray subsoil	M	665	Stonelick fine sandy loam	M
546	Keltner silt loam	L	673	Ebner fine sandy loam	L
547	Eleroy silt loam	L	682	Medway silty clay loam	M
549	Marseilles silt loam	L	683	Lawndale silt loam	M
551	Gosport silt loam	M	684	Broadwell silt loam	L
554	Kernan silt loam	M	685	Middletown silt loam	L
555	Shadeland silt loam	M	691	Beasley silt loam	L
556	High Gap loam	L	696	Zurich silt loam	L
560	St. Clair silt loam	M	697	Wauconda silt loam	M
562	Ideal silt loam	L	698	Grays silt loam	L
563	Fay silt loam	L	706	Boyer sandy loam	M
564	Ustick silt loam	L	723	Reesville silt loam	M
565	Wysox silt loam	L	727	Dickinson loam	L
567	Elkhart silt loam	L	728	Winnebago silt loam	L
568	Perrot silty clay loam	H	731	Nasset silt loam	L
570	Martinsville silt loam	L	740	Darroch silt loam	M
571	Whitaker silt loam	M	741	Oakville fine sand	H
572	Loran silt loam	M	742	Dickinson sandy loam, loamy substratum	H
574	Ogle silt loam, silty substratum	L	743	Ridott silt loam	M
576	Zwingle silt loam	H	745	Shullsburg silt loam	L
578	Dorchester silt loam, cobble substratum	L	746	Calamine silt loam	H
581	Tamalco silt loam	M	752	Oneco silt loam	L
583	Pike silt loam	L	753	Massbach silt loam	L
584	Walshville loam	M	761	Eleva sandy loam	L
585	Negley loam	M	763	Joslin silt loam	M
587	Terril loam	L	764	Coyne fine sandy loam	M
589	Bowdre silty clay	H	765	Trempealeau silt loam	M
590	Cairo silty clay	H	768	Backbone loamy sand	M
591	Fults silty clay	H	769	Edmund silt loam	L
592	Nameoki silty clay	M	772	Marshan loam	M
594	Reddick silty clay loam	H	774	Saude loam	M
597	Armiesburg silty clay loam	M	776	Comfrey clay loam	H
598	Bedford silt loam	M	777	Adrian muck	H
599	Baxter cherty silt loam	L	779	Chelsea loamy fine sand	H
600	Huntington silt loam	L	780	Grellton sandy loam	L
603	Blackoar silt loam	M	781	Friesland sandy loam	L
605	Ursa silt loam	L	782	Juneau silt loam	M
606	Goss cherty silt loam	M	783	Flagler sandy loam	L
609	Crane silt loam	M	786	Fronsdorf loam	L
619	Parkville silty clay	M	787	Banlic silt loam	H
620	Darmstadt silt loam	M	791	Rush silt loam	M
621	Coulterville silt loam	M	792	Bowes silt loam	L
628	Lax silt loam	L	928	New Glarus-Palsgrove silt loams	L
633	Traer silt loam	H	956	Brandon-Saffell soils	L
647	Lawler loam	M	961	Burkhardt-Saude complex	L
649	Nachusa silt loam	M	977	Neotoma silt loam	L

^a L = Low, M = Medium, and H = High.

Table 3. Ratings for Potential Nitrogen Loss of Soils in Illinois Counties Based on the 1969 Soils Legend in Bulletin No. 735

County	Total acres studied	High		Medium		Low		Index ^a	Rating ^b
		Acres	Per-cent	Acres	Per-cent	Acres	Per-cent		
Adams	524,000	70,000	13	329,400	63	124,600	24	1.89	Medium
Alexander	100,600	58,800	58	18,600	19	23,200	23	2.35	High
Bond	236,300	95,900	41	89,700	38	50,700	21	2.20	High
Boone	174,600	21,000	12	49,600	28	104,000	60	1.52	Low
Brown	186,300	9,600	5	63,800	34	112,900	61	1.44	Low
Bureau	523,700	116,800	22	84,800	16	322,100	62	1.60	Low
Calhoun	148,700	20,300	14	26,400	18	102,000	68	1.46	Low
Carroll	283,400	15,000	5	40,100	14	228,300	81	1.24	Low
Cass	230,600	106,100	46	62,100	27	62,400	27	2.19	High
Champaign	605,000	273,800	45	224,600	37	106,600	18	2.27	High
Christian	431,300	174,700	40	162,500	38	94,100	22	2.18	High
Clark	311,500	139,900	45	109,500	35	62,100	20	2.25	High
Clay	283,200	164,000	58	93,100	33	26,100	9	2.49	High
Clinton	304,700	179,900	59	107,400	35	17,400	6	2.53	High
Coles	298,700	95,700	32	114,500	38	88,500	30	2.02	Medium
Cook	200,900	70,200	35	102,400	51	28,300	14	2.21	High
Crawford	266,500	89,800	34	113,800	43	62,900	23	2.11	High
Cumberland	210,600	110,900	53	61,500	29	38,200	18	2.35	High
DeKalb	385,500	74,700	19	182,800	48	128,000	33	1.86	Medium
DeWitt	239,500	69,800	29	98,400	41	71,300	30	1.99	Medium
Douglas	260,300	132,300	51	103,500	40	24,500	9	2.42	High
DuPage	131,600	35,500	27	56,600	43	39,500	30	1.97	Medium
Edgar	379,800	154,600	41	145,000	38	80,200	21	2.20	High
Edwards	139,700	31,200	22	65,600	47	42,900	31	1.91	Medium
Effingham	279,900	137,600	49	94,300	34	48,000	17	2.32	High
Fayette	428,800	152,800	36	172,100	40	103,900	24	2.12	High
Ford	299,300	136,200	45	134,400	45	28,700	10	2.35	High
Franklin	261,200	87,400	34	154,400	59	19,400	7	2.27	High
Fulton	523,900	90,800	17	179,500	34	253,600	49	1.68	Medium
Gallatin	196,000	61,200	31	80,400	41	54,400	28	2.03	Medium
Greene	333,900	57,700	17	111,000	33	165,200	50	1.67	Medium
Grundy	243,100	116,600	48	102,900	42	23,600	10	2.38	High
Hamilton	263,700	97,300	37	107,000	41	59,400	22	2.15	High
Hancock	468,900	20,900	4	209,100	45	238,900	51	1.53	Low
Hardin	93,900	2,600	3	13,000	14	78,300	83	1.20	Low
Henderson	233,900	53,200	23	61,500	26	119,200	51	1.72	Medium
Henry	508,400	130,500	26	115,200	22	262,700	52	1.74	Medium
Iroquois	687,800	370,000	54	244,000	35	73,800	11	2.43	High
Jackson	343,300	103,600	30	55,400	16	184,300	54	1.76	Medium
Jasper	308,000	173,900	56	100,600	33	33,500	11	2.45	High
Jefferson	346,900	78,700	23	220,900	64	47,300	13	2.10	High
Jersey	225,200	17,700	8	85,700	38	121,800	54	1.54	Low
Jo Daviess	375,400	4,100	1	89,400	24	281,900	75	1.26	Low
Johnson	207,500	51,500	25	11,600	5	144,400	70	1.55	Low
Kane	295,400	69,100	23	87,800	30	138,500	47	1.76	Medium
Kankakee	396,300	173,500	44	147,300	37	75,500	19	2.25	High
Kendall	193,400	55,900	29	72,700	38	64,800	33	1.96	Medium
Knox	435,700	32,900	8	192,800	44	210,000	48	1.60	Low
Lake	177,200	59,800	34	56,500	32	60,900	34	2.00	Medium
LaSalle	698,400	189,700	27	290,500	42	218,200	31	1.96	Medium

continued

Table 3. Ratings for Potential Nitrogen Loss of Soils in Illinois Counties Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

County	Total acres studied	High		Medium		Low		Index ^a	Rating ^b
		Acres	Per-cent	Acres	Per-cent	Acres	Per-cent		
Lawrence	229,600	71,500	31	108,400	47	49,700	22	2.09	Medium
Lee	446,900	145,300	32	102,400	23	199,200	45	1.87	Medium
Livingston	638,900	265,100	42	314,400	49	59,400	9	2.33	High
Logan	383,200	96,000	25	180,700	47	106,500	28	1.97	Medium
Macon	333,700	132,100	39	142,300	43	59,300	18	2.21	High
Macoupin	542,700	65,700	12	283,600	52	193,400	36	1.76	Medium
Madison	396,300	67,700	17	183,100	46	145,500	37	1.80	Medium
Marion	349,400	142,400	41	154,200	44	52,800	15	2.26	High
Marshall	243,400	32,600	13	62,300	26	148,500	61	1.52	Low
Mason	330,900	210,000	63	58,000	18	62,900	19	2.44	High
Massac	146,000	39,600	27	32,900	23	73,500	50	1.77	Medium
McDonough	354,200	67,900	19	221,000	62	65,300	19	2.00	Medium
McHenry	356,000	91,100	26	72,800	20	192,100	54	1.72	Medium
McLean	720,800	182,300	25	248,700	35	289,800	40	1.85	Medium
Menard	193,900	49,200	25	68,100	35	76,600	40	1.85	Medium
Mercer	338,400	45,600	13	107,900	32	184,900	55	1.58	Low
Monroe	237,900	53,400	22	78,200	33	106,300	45	1.77	Medium
Montgomery	436,200	94,800	21	221,000	51	120,400	28	1.93	Medium
Morgan	342,500	59,800	18	161,300	47	121,400	35	1.83	Medium
Moultrie	213,100	79,300	37	106,600	50	27,200	13	2.24	High
Ogle	468,400	51,000	11	82,400	18	335,000	71	1.40	Low
Peoria	362,800	37,200	10	130,100	36	195,500	54	1.56	Low
Perry	265,200	128,400	48	82,600	31	54,200	21	2.27	High
Piatt	269,300	122,500	46	89,100	33	57,700	21	2.25	High
Pike	500,300	76,900	15	137,700	28	285,700	57	1.58	Low
Pope	159,900	16,500	10	20,200	13	123,200	77	1.33	Low
Pulaski	112,700	46,200	41	23,700	21	42,800	38	2.03	Medium
Putnam	100,400	24,800	25	28,100	28	47,500	47	1.78	Medium
Randolph	353,200	70,300	20	121,900	34	161,000	46	1.74	Medium
Richland	221,300	84,700	38	113,100	51	23,500	11	2.27	High
Rock Island	229,000	41,400	18	48,600	21	139,000	61	1.60	Low
St. Clair	366,200	79,900	22	133,800	36	152,500	42	1.80	Medium
Saline	216,800	85,600	40	89,300	41	41,900	19	2.21	High
Sangamon	514,300	150,100	29	259,000	50	105,200	21	2.08	Medium
Schuyler	266,100	22,600	9	94,200	35	149,300	56	1.53	Low
Scott	154,900	38,200	25	61,700	40	55,000	35	1.90	Medium
Shelby	467,900	132,200	28	206,000	44	129,700	28	2.00	Medium
Stark	179,500	22,200	12	51,200	29	106,100	59	1.53	Low
Stephenson	346,500	10,900	3	78,000	23	257,600	74	1.29	Low
Tazewell	382,700	134,300	35	79,400	21	169,000	44	1.91	Medium
Union	226,600	48,900	22	40,600	18	137,100	60	1.62	Low
Vermilion	533,800	226,000	42	171,800	32	136,000	26	2.16	High
Wabash	134,600	41,000	30	65,600	49	28,000	21	2.09	Medium
Warren	334,100	51,500	15	126,300	38	156,300	47	1.68	Medium
Washington	346,800	152,800	44	164,900	48	29,100	8	2.36	High

continued

Table 3. Ratings for Potential Nitrogen Loss of Soils in Illinois Counties Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

County	Total acres studied	High		Medium		Low		Index ^a	Rating ^b
		Acres	Per- cent	Acres	Per- cent	Acres	Per- cent		
Wayne	436,700	205,100	47	168,000	38	63,600	15	2.32	High
White	304,800	79,400	26	136,300	45	89,100	29	1.97	Medium
Whiteside	415,900	117,100	28	96,600	23	202,200	49	1.79	Medium
Will	450,200	158,700	35	227,700	51	63,800	14	2.21	High
Williamson	222,100	36,100	16	49,400	22	136,600	62	1.54	Low
Winnebago	302,400	27,500	9	71,200	24	203,700	67	1.42	Low
Woodford	332,600	76,500	23	111,200	33	144,900	44	1.79	Medium
State total	32,894,400	9,423,600		11,963,300		11,507,500		1.94	
Percent of state			28.6		36.4		35.0		

^a Nitrogen loss potential index. This index is a weighted average index. To produce this index a value of 3 is assigned to soils with a high potential for nitrogen loss, a value of 2 to those with a medium potential, and a value of 1 to those with a low potential. The county indexes are calculated according to the following formula:

$$\text{Index} = \frac{(\text{percent of area of high potential} \times 3) + (\text{percent of area of medium potential} \times 2) + (\text{percent of area of low potential} \times 1)}{100}$$

Example: The index for Adams County is 1.89. $\frac{(13 \times 3) + (63 \times 2) + (24 \times 1)}{100} = 1.89$

^b Index ranges corresponding to the ratings of Illinois counties for potential nitrogen loss. An index range from 1.20 to 1.67 is equivalent to a *low* rating for potential nitrogen loss; an index range from 1.68 to 2.10 is equivalent to a *medium* rating; and an index range from 2.11 to 2.54 is equivalent to a *high* rating.

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
ADAMS COUNTY				Low potential for nitrogen loss			
524,000 Total acres studied				8	Hickory loam	4-30	7,200
High potential for nitrogen loss				15	Parke silt loam	4-18	1,900
9	Sandstone rock land	4-60	1,400	18	Clinton silt loam	2-18	28,500
16	Rushville silt loam	0-2	7,700	18-X	Clinton-Hickory complex	12-18	3,100
45	Denny silt loam	0-2	300	36	Tama silt loam	2-7	1,400
47	Virden silt loam	0-2	10,500	77	Huntsville silt loam	0-4	4,200
50	Virden silty clay loam	0-2	7,100	95	Shale rock land	18-30	400
70	Beaucoup silty clay loam	0-2	23,500	127	Harrison silt loam	0-7	8,800
71	Darwin silty clay	0-2	4,800	134	Camden silt loam	2-7	400
83	Wabash silty clay	0-2	900	148	Proctor silt loam	2-4	1,100
92	Sarpy sand	0-2	600	264	El Dara sandy loam	7-60	5,300
107	Sawmill silty clay loam	0-2	600	268	Mt. Carroll silt loam	2-4	2,000
112	Cowden silt loam	0-2	800	275	Joy silt loam	0-2	1,400
123	River wash sand and gravel	0-2	600	277	Port Byron silt loam	0-7	1,800
161	Newart silt loam	0-2	400	279	Rozetta silt loam	0-12	5,100
208	Sexton silt loam	0-2	400	280	Fayette silt loam	0-30	16,600
270	Oquawka sand	2-4	200	280-N	Fayette-Bodine complex	18-60	3,600
284	Tice silty clay loam	0-2	2,200	386	Downs silt loam	2-12	20,700
284-A	Tice silty clay loam, wet	0-2	300				Total 124,600
334	Birds silt loam	0-4	7,700				Percent of county 24
			Total 70,000	ALEXANDER COUNTY			
			Percent of county 13	100,600 Total acres studied			
Medium potential for nitrogen loss				High potential for nitrogen loss			
5	Blair silt loam	7-12	100	9	Sandstone rock land	30-60	100
7	Atlas silt loam	4-60	126,100	53	Bloomfield fine sand	0-4	500
17	Keomah silt loam	0-12	39,900	70	Beaucoup silty clay loam	0-2	1,000
41	Muscatine silt loam	0-4	7,600	71	Darwin silty clay	0-2	11,800
43	Ipava silt loam	0-4	4,500	84	Okaw silt loam	0-2	3,700
46	Herrick silt loam	0-4	29,800	85	Jacob clay	0-2	100
61	Atterberry silt loam	0-7	12,600	92	Sarpy sand	0-2	1,700
119	Elco silt loam	12-18	100	108	Bonnie silt loam	0-2	6,100
132	Starks silt loam	0-7	3,900	109	Raccoon silt loam	0-2	300
149	Brenton silt loam	0-2	1,100	161	Newart silt loam	0-2	1,200
184	Roby fine sandy loam	0-2	200	162	Gorham silty clay loam	0-2	2,300
188	Beardstown loam	2-4	800	175	Lamont fine sandy loam	0-4	100
219	Millbrook silt loam	0-2	1,000	178	Ruark fine sandy loam	0-2	1,900
246	Bolivia silt loam	2-7	600	284	Tice silty clay loam	0-4	1,000
257	Clarksdale silt loam	0-12	27,900	334	Birds silt loam	0-2	2,400
258	Sicily silt loam	2-7	2,900	338	Hurst silt loam	0-7	400
304	Landes fine sandy loam	0-2	3,000	420	Piopolis silty clay loam	0-2	900
331	Haymond silt loam	0-4	2,300	422	Cape silty clay loam	0-4	3,100
333	Wakeland silt loam	0-2	15,900	426	Karnak silty clay	0-2	4,700
415	Orion silt loam	0-2	200	455	Mixed alluvial land	0-2	6,400
451	Lawson silt loam	0-4	22,100	460	Ginat silt loam	0-2	2,300
452	Riley silty clay loam	0-2	700	525	Darwin silty clay loam	0-4	3,700
470	Keller silt loam	4-12	16,400	589	Bowdre silty clay	0-4	700
660	Coatsburg silt loam	4-18	9,700	590	Cairo silty clay	0-4	2,400
			Total 329,400				Total 58,800
			Percent of county 63				Percent of county 58

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Medium potential for nitrogen loss				5	Blair silt loam	4-12	1,500
72	Sharon silt loam	0-2	100	13	Bluford silt loam	0-7	3,000
131	Alvin fine sandy loam	0-18	3,700	46	Herrick silt loam	0-2	800
180	Dupo silt loam	0-2	1,900	46-O	Herrick-Piasa complex	0-2	3,800
184	Roby fine sandy loam	0-4	600	113	Oconee silt loam	0-7	5,700
304	Landes fine sandy loam	0-7	2,500	113-6	Oconee-Huey complex	0-7	1,900
331	Haymond silt loam	0-4	1,000	113-V	Oconee-Tamalco complex	0-7	4,900
333	Wakeland silt loam	0-4	800	132	Starks silt loam	2-7	400
382	Belknap silt loam	0-2	2,800	164	Stoy silt loam	0-4	6,500
452	Riley silty clay loam	0-4	2,100	180	Dupo silt loam	0-2	100
461	Weinbach silt loam	0-4	700	333	Wakeland silt loam	0-4	8,700
462	Sciotoville silt loam	0-4	600	451	Lawson silt loam	0-2	17,500
475	Elsah cherty silt loam	0-7	1,800	581	Tamalco silt loam	0-7	10,500
	Total		18,600	585	Negley loam	12-18	1,000
	Percent of county		19	586	Nokomis loam	0-4	600
Low potential for nitrogen loss					Total		89,700
75	Drury silt loam	4-18	200		Percent of county		38
216	Stookey silt loam	12-60	6,000	Low potential for nitrogen loss			
216-N	Stookey-Bodine complex	30-60	7,400	4	Richview silt loam	4-7	400
306	Allison silty clay loam	0-30	5,000	8	Hickory loam	4-60	20,600
453	Muren silt loam	4-60	2,200	8-T	Hickory-Hennepin complex	4-30	1,100
456	Ware silt loam	0-4	2,200	8-Z	Hickory-Negley complex	30-60	500
463	Wheeling silt loam	2-4	200	14	Ava silt loam	2-18	5,300
	Total		23,200	128	Douglas silt loam	2-12	4,100
	Percent of county		23	134	Camden silt loam	2-7	300
BOND COUNTY				214	Hosmer silt loam	0-12	13,000
236,300	Total acres studied			250	Velma loam	4-12	3,300
				583	Pike silt loam	2-12	1,500
				587	Terril loam	2-4	600
					Total		50,700
					Percent of county		21
High potential for nitrogen loss				BOONE COUNTY			
2	Cisne silt loam	0-4	29,600	174,600	Total acres studied		
2-6	Cisne-Huey complex	0-2	10,200	High potential for nitrogen loss			
12	Wynoose silt loam	0-2	800	76-A	Otter silt loam, wet	0-2	5,400
48	Ebbert silt loam	0-2	3,900	103	Houghton muck	0-2	300
50	Virden silty clay loam	0-2	1,300	152	Drummer silty clay loam	0-2	15,300
70	Beaucoup silty clay loam	0-2	1,600		Total		21,000
112	Cowden silt loam	0-2	9,700		Percent of county		12
112-O	Cowden-Piasa complex	0-2	28,700	Medium potential for nitrogen loss			
120	Huey silt loam	0-4	700	59	Lisbon silt loam	0-4	2,200
138	Shiloh silty clay loam	0-2	100	62	Herbert silt loam	0-4	3,700
165	Weir silt loam	0-2	1,300	76	Otter silt loam	0-2	1,900
218	Newberry silt loam	0-2	1,800	79	Volinia silt loam	0-4	14,600
287	Chauncey silt loam	0-4	4,900	81	Littleton silt loam	0-2	9,000
334	Birds silt loam	0-2	400	104	Virgil silt loam	0-4	10,800
474	Piasa silt loam	0-2	900	149	Brenton silt loam	0-4	5,500
	Total		95,900	225	Beaver silt loam	0-7	1,900
	Percent of county		41		Total		49,600
Medium potential for nitrogen loss					Percent of county		28
3	Hoyleton silt loam	0-7	20,200				
3-V	Hoyleton-Tamalco complex	0-7	2,600				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil num-ber	Soil name	Slope range, percent	Esti-mated acres	Soil num-ber	Soil name	Slope range, percent	Esti-mated acres
Low potential for nitrogen loss				Low potential for nitrogen loss			
21	Pecatonica silt loam	0-7	42,000	8	Hickory loam	7-60	26,700
22	Westville silt loam	4-12	20,000	18	Clinton silt loam	2-30	37,500
24	Dodge silt loam	2-4	3,300	19	Sylvan silt loam	7-60	3,300
25	Hennepin loam	12-60	600	37	Worthen silt loam	0-4	2,000
60	LaRose silt loam	2-7	1,800	75	Drury silt loam	4-7	200
134	Camden silt loam	0-4	3,200	77	Huntsville silt loam	0-4	3,100
137	Ellison silt loam	0-2	500	94	Limestone rock land	30-60	1,200
145	Saybrook silt loam	0-7	29,600	95	Shale rock land	30-60	200
148	Proctor silt loam	0-4	3,000	127	Harrison silt loam	4-7	900
				134	Camden silt loam	7-12	400
	Total		104,000	264	El Dara sandy loam	18-30	200
	Percent of county		70	279	Rozetta silt loam	0-4	400
BROWN COUNTY				280	Fayette silt loam	2-60	33,000
				283	Clary silt loam	2-30	3,500
				471	Bodine cherty silt loam	30-60	500
					Total		112,900
186,300 Total acres studied				Percent of county 61			
High potential for nitrogen loss							

BROWN COUNTY

186,300 Total acres studied

High potential for nitrogen loss			
16	Rushville silt loam	0-2	1,000
45	Denny silt loam	0-2	200
47	Virden silt loam	0-2	3,300
70	Beaucoup silty clay loam	0-2	3,300
71-A	Darwin silty clay, wet	0-2	1,700
334	Birds silt loam	0-2	100
Total			9,600
Percent of county			5

Medium potential for nitrogen loss

6	Fishhook silt loam	4-12	2,100
7	Atlas silt loam	7-30	2,600
17	Keomah silt loam	0-7	15,500
28	Jules silt loam	0-2	3,800
43	Ipava silt loam	0-4	2,800
46	Herrick silt loam	0-4	3,300
131	Alvin fine sandy loam	30-60	100
180	Dupo silt loam	0-2	500
184	Roby fine sandy loam	2-4	100
257	Clarksdale silt loam	0-7	11,200
258	Sicily silt loam	0-7	1,900
304	Landes fine sandy loam	0-2	1,800
331	Haymond silt loam	0-4	2,900
333	Wakeland silt loam	0-4	4,600
415	Orion silt loam	0-2	1,300
427	Burnside silt loam	2-4	300
451	Lawson silt loam	0-2	500
470	Keller silt loam	4-7	500
475	Elsah cherty silt loam	2-4	200
551	Gosport silt loam	7-60	6,800
585	Negley loam	12-18	600
660	Coatsburg silt loam	7-12	400
Total			63,800
Percent of county			34

BUREAU COUNTY

523,700 Total acres studied

High potential for nitrogen loss			
45	Denny silt loam	0-2	3,000
53	Bloomfield fine sand	7-18	800
67	Harpster silt clay loam	0-2	12,600
68	Sable silty clay loam	0-2	29,400
87	Dickinson sandy loam	0-12	1,500
98	Ade loamy fine sand	0-18	1,000
103	Houghton muck	0-2	3,800
107	Sawmill silty clay loam	0-2	2,700
152	Drummer silty clay loam	0-2	32,200
172	Hoopeston sandy loam	0-4	100
175	Lamont fine sandy loam	4-12	500
206	Thorp silt loam	0-2	2,500
210	Lena muck	0-18	1,400
347	Harpster loam	0-2	12,200
651	Selma silt loam	0-2	13,100
Total			116,800
Percent of county			22

Medium potential for nitrogen loss

7	Atlas silt loam	7-30	600
28	Jules silt loam	0-2	400
41	Muscatine silt loam	0-4	30,200
59	Lisbon silt loam	0-4	900
61	Atterberry silt loam	0-4	3,300
74	Radford silt loam	0-2	1,400
76	Otter silt loam	0-2	1,900
82	Millington loam	0-2	1,800
93	Rodman gravelly loam	7-60	400
102	LaHogue loam	0-4	7,300
131	Alvin fine sandy loam	2-18	1,000
132	Starks silt loam	0-2	1,100

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
149	Brenton silt loam	0-4	15,400	270	Oquawka sand	0-7	1,200
154	Flanagan silt loam	0-4	2,100	284	Tice silty clay loam	0-2	2,800
219	Millbrook silt loam	0-2	100				
265	Lomax loam	0-12	2,100			Total	20,300
278	Stronghurst silt loam	2-4	200			Percent of county	14
318	Lorenzo silt loam	0-12	500				
321	DuPage silt loam	0-2	2,400			Medium potential for nitrogen loss	
415	Orion silt loam	0-2	1,400	81	Littleton silt loam	0-4	700
451	Lawson silt loam	0-4	10,100	278	Stronghurst silt loam	0-2	100
609	Crane silt loam	2-4	200	331	Haymond silt loam	0-43	7,300
				333	Wakeland silt loam	0-2	1,500
	Total		84,800	451	Lawson silt loam	0-2	1,200
	Percent of county		16	475	Elsah cherty silt loam	0-4	900
				504	Sogn silt loam	30-60	1,500
	Low potential for nitrogen loss			551	Gosport silt loam	18-60	13,200
19	Sylvan silt loam	7-30	1,500			Total	26,400
24	Dodge silt loam	2-30	4,100			Percent of county	18
25	Hennepin loam	7-60	21,500			Low potential for nitrogen loss	
36	Tama silt loam	0-12	149,500	19-K	Sylvan-Bold complex	4-60	8,800
57	Montmorenci silt loam	2-18	700	30	Hamburg silt	12-60	300
60	LaRose silt loam	4-18	4,300	35	Bold silt loam	30-60	200
80	Alexis silt loam	0-7	10,400	37	Worthen silt loam	0-18	2,700
134	Camden silt loam	2-30	1,000	75	Drury silt loam	4-18	1,200
145	Saybrook silt loam	2-18	13,400	77	Huntsville silt loam	0-2	900
148	Proctor silt loam	0-18	8,400	94	Limestone rock land	30-60	500
159	Pilot silt loam	0-12	6,800	134	Camden silt loam	2-12	1,000
171	Catlin silt loam	0-12	21,300	274	Seaton silt loam	2-60	8,600
190	Onarga fine sandy loam	4-7	900	279	Rozetta silt loam	0-4	900
224	Strawn silt loam	4-30	4,800	280	Fayette silt loam	2-60	69,300
233	Birkbeck silt loam	2-30	3,500	471	Bodine cherty silt loam	18-60	7,000
279	Rozetta silt loam	0-7	5,200	472	Baylis silt loam	18-60	600
280	Fayette silt loam	2-30	38,800			Total	102,000
290	Warsaw silt loam	0-12	2,200			Percent of county	68
323	Casco silt loam	7-30	100				
344	Harvard silt loam	0-12	2,300			CARROLL COUNTY	
385	Atlanta silt loam	2-12	1,500			283,400 Total acres studied	
386	Downs silt loam	0-12	16,600				
412	Ogle silt loam	2-7	900			High potential for nitrogen loss	
640	Shallow to shale	4-60	2,400	53	Bloomfield fine sand	2-18	1,600
				54	Plainfield sand	7-12	100
	Total		322,100	68	Sable silty clay loam	0-2	100
	Percent of county		62	87	Dickinson sandy loam	0-7	600
				98	Ade loamy fine sand	0-4	700
	CALHOUN COUNTY			107	Sawmill silty clay loam	0-2	1,200
148,700 Total acres studied				107-A	Sawmill silty clay loam, wet	0-2	1,300
				152	Drummer silty clay loam	0-2	1,900
	High potential for nitrogen loss			175	Lamont fine sandy loam	4-18	400
70	Beaucoup silty clay loam	0-2	6,700	272	Edgington silt loam	0-2	1,700
71	Darwin silty clay	0-7	1,300	333-A	Wakeland silt loam, wet	0-2	1,200
71-A	Darwin silty clay, wet	0-2	1,200	451-A	Lawson silt loam, wet	0-2	2,400
83	Wabash silty clay	0-2	1,400	568	Perrot silty clay loam	2-4	1,000
84	Okaw silt loam	0-2	1,600			Total	15,000
162	Gorham silty clay loam	0-2	1,500			Percent of county	5
162-A	Gorham silty clay loam, wet	0-2	2,500				
175	Lamont fine sandy loam	7-12	100				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil num-ber	Soil name	Slope range, percent	Esti-mated acres	Soil num-ber	Soil name	Slope range, percent	Esti-mated acres
Medium potential for nitrogen loss				45	Denny silt loam	0-2	400
41	Muscatine silt loam	0-4	3,100	53	Bloomfield fine sand	0-30	5,400
61	Atterberry silt loam	0-7	1,200	54	Plainfield sand	0-18	23,900
76	Otter silt loam	0-2	800	65	Illiopoli silty clay loam	0-2	12,500
81	Littleton silt loam	0-4	100	70	Beaucoup silty clay loam	0-2	1,000
149	Brenton silt loam	0-2	800	71	Darwin silty clay	0-2	5,500
239	Dorchester silt loam	0-2	1,600	71-A	Darwin silty clay, wet	0-2	300
278	Stronghurst silt loam	0-7	1,800	83	Wabash silty clay	0-2	7,800
333	Wakeland silt loam	0-2	7,900	83-A	Wabash silty clay, wet	0-2	10,900
415	Orion silt loam	0-2	2,600	87	Dickinson sandy loam	0-4	3,000
451	Lawson silt loam	0-2	17,400	88	Hagener loamy sand	0-4	2,500
504	Sogn silt loam	18-60	2,200	98	Ade loamy fine sand	0-4	800
572	Loran silt loam	12-18	600	103	Houghton muck	0-2	600
				125	Selma loam	0-2	100
	Total		40,100	136	Brooklyn silt loam	0-2	2,400
	Percent of county		14	152	Drummer silty clay loam	0-2	4,400
Low potential for nitrogen loss				172	Hoopeston sandy loam	0-2	2,100
21	Pecatonica silt loam	2-30	2,300	175	Lamont fine sandy loam	0-7	200
29	Dubuque silt loam	4-60	4,900	187	Milroy sandy loam	0-2	500
36	Tama silt loam	0-12	83,700	200	Orio sandy loam	0-2	1,000
37	Worthen silt loam	0-4	600	201	Gilford fine sandy loam	0-2	2,300
268	Mt. Carroll silt loam	2-7	1,600	202	Biggs sandy loam	0-2	1,100
271	Timula silt loam	30-60	200	203	Kilborne loamy sand	0-2	700
274	Seaton silt loam	2-60	20,100	206	Thorp silt loam	0-2	1,100
275	Joy silt loam	2-4	500	244	Hartsburg silty clay loam	0-2	9,100
277	Port Byron silt loam	2-12	19,000	270	Oquawka sand	0-4	1,100
279	Rozetta silt loam	2-4	600	284	Tice silty clay loam	0-2	1,000
280	Fayette silt loam	2-30	34,700	455-A	Mixed alluvial land, wet	0-2	1,700
385	Atlanta silt loam	7-12	200	501	Morocco fine sand	0-2	200
386	Downs silt loam	2-18	12,600				
410	Woodbine silt loam	4-30	3,100			Total	106,100
411	Ashdale silt loam	2-12	800			Percent of county	46
412	Ogle silt loam	4-12	5,400	Medium potential for nitrogen loss			
413	Gale silt loam	18-30	200	17	Keomah silt loam	0-4	9,200
414	Myrtle silt loam	0-2	1,700	28	Jules silt loam	0-2	3,800
416	Durand silt loam	4-12	5,100	43	Ipava silt loam	0-4	11,800
419	Flagg silt loam	7-30	300	61	Atterberry silt loam	0-2	100
429	Palsgrove silt loam	2-60	9,400	78	Arenzville silt loam	0-2	5,600
506	Hitt silt loam	7-12	500	81	Littleton silt loam	0-4	15,700
546	Keltner silt loam	4-7	300	131	Alvin fine sandy loam	2-30	1,400
547	Eleroy silt loam	2-18	3,200	149	Brenton silt loam	0-4	1,400
562	Ideal silt loam	4-12	2,300	184	Roby fine sandy loam	0-2	100
563	Fay silt loam	4-30	3,500	188	Beardstown loam	0-2	800
564	Ustick silt loam	2-12	2,200	246	Bolivia silt loam	0-4	7,500
565	Wysox silt loam	2-30	7,200	257	Clarksdale silt loam	0-4	1,900
673	Ebner fine sandy loam	0-2	1,600	258	Sicily silt loam	0-7	2,700
				451	Lawson silt loam	0-2	100
	Total		228,300				
	Percent of county		81			Total	62,100
						Percent of county	27
CASS COUNTY							

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
30	Hamburg silt	30-60	1,800	55	Sidell silt loam	2-12	3,300
34-K	Tallula-Bold complex	4-30	2,900	56	Dana silt loam	0-4	1,700
36	Tama silt loam	2-7	6,400	57	Montmorenci silt loam	2-7	1,400
37	Worthen silt loam	0-4	900	60	LaRose silt loam	2-12	2,600
39	Oakford silt loam	0-12	4,300	105	Batavia silt loam	2-4	400
283	Clary silt loam	2-12	7,000	134	Camden silt loam	0-18	5,000
344	Harvard silt loam	0-4	1,000	145	Saybrook silt loam	0-12	30,200
				148	Proctor silt loam	0-7	9,800
		Total	62,400	155	Stockland loam	12-18	100
	Percent of county		27	171	Catlin silt loam	0-7	24,600

CHAMPAIGN COUNTY

605,000 Total acres studied

High potential for nitrogen loss

67	Harpster silt clay loam	0-2	6,800
103	Houghton muck	0-2	100
107	Sawmill silty clay loam	0-2	900
152	Drummer silty clay loam	0-2	243,800
153	Pella silty clay loam	0-2	400
206	Thorp silt loam	0-2	1,300
207	Ward silt loam	0-2	200
232	Ashkum silt clay loam	0-2	16,500
330	Peotone silty clay loam	0-2	3,800

Total	273,800
Percent of county	45

Medium potential for nitrogen loss

23	Blount silt loam	0-12	1,300
59	Lisbon silt loam	0-4	2,400
73	Ross loam	0-2	7,000
91	Swygert silty clay loam	2-4	1,400
104	Virgil silt loam	2-4	600
132	Starks silt loam	0-4	1,300
146	Elliott silt loam	0-7	32,000
149	Brenton silt loam	0-4	19,800
154	Flanagan silt loam	0-4	124,100
198	Elburn silt loam	0-4	8,800
219	Millbrook silt loam	0-4	300
234	Sunbury silt loam	0-4	1,600
236	Sabina silt loam	0-4	6,300
242	Kendall silt loam	2-4	1,200
293	Andres silt loam	0-4	13,400
295	Mokena silt loam	0-2	100
328	Cullo silt loam	0-2	400
448	Mona silt loam	2-4	500
451	Lawson silt loam	0-2	2,100

Total	224,600
Percent of county	37

Low potential for nitrogen loss

24	Dodge silt loam	2-7	5,900
25	Hennepin loam	12-60	2,800

Soil number	Soil name	Slope range, percent	Estimated acres
55	Sidell silt loam	2-12	3,300
56	Dana silt loam	0-4	1,700
57	Montmorenci silt loam	2-7	1,400
60	LaRose silt loam	2-12	2,600
105	Batavia silt loam	2-4	400
134	Camden silt loam	0-18	5,000
145	Saybrook silt loam	0-12	30,200
148	Proctor silt loam	0-7	9,800
155	Stockland loam	12-18	100
171	Catlin silt loam	0-7	24,600
194	Morley silt loam	2-30	600
199	Plano silt loam	0-4	2,100
223	Varna silt loam	2-12	3,900
224	Strawn silt loam	4-30	2,800
233	Birkbeck silt loam	2-7	2,800
243	St. Charles silt loam	2-7	1,000
253	Stonington loam	7-12	400
291	Xenia silt loam	2-4	100
294	Symerton silt loam	2-7	3,900
322	Russell silt loam	2-7	900
385	Atlanta silt loam	0-4	300

Total	106,600
Percent of county	18

CHRISTIAN COUNTY

431,300 Total acres studied

High potential for nitrogen loss

16	Rushville silt loam	0-2	100
45	Denny silt loam	0-2	3,700
48	Ebbert silt loam	0-2	2,500
50	Virden silty clay loam	0-2	66,000
65	Illiopoli silty clay loam	0-2	41,600
87	Dickinson sandy loam	0-7	3,200
107	Sawmill silty clay loam	0-2	6,700
112	Cowden silt loam	0-4	13,200
120	Huey silt loam	0-2	1,200
136	Brooklyn silt loam	0-2	100
138	Shiloh silty clay loam	0-2	2,000
187	Milroy sandy loam	0-2	300
206	Thorp silt loam	0-2	600
244	Hartsburg silty clay loam	0-2	31,300
249	Edinburg silty clay loam	0-2	2,100
252	Harvel silty clay loam	0-2	100

Total	174,700
Percent of county	40

Medium potential for nitrogen loss

13	Bluford silt loam	2-7	600
17	Keomah silt loam	0-7	9,800
43	Ipava silt loam	0-2	14,000
46	Herrick silt loam	0-4	57,700
74	Radford silt loam	0-2	16,800
81	Littleton silt loam	0-4	2,800

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres
113	Oconee silt loam	0-7	9,300
119	Elco silt loam	4-12	400
131	Alvin fine sandy loam	2-30	3,100
184	Roby fine sandy loam	2-7	1,000
246	Bolivia silt loam	0-7	40,400
255	Vanderville silt loam	0-4	2,700
257	Clarksdale silt loam	0-2	800
258	Sicily silt loam	0-7	3,100
	Total		162,500
	Percent of county		38
	Low potential for nitrogen loss		
8	Hickory loam	4-60	12,600
18	Clinton silt loam	2-12	14,700
80	Alexis silt loam	0-4	1,000
127	Harrison silt loam	0-7	27,100
128	Douglas silt loam	2-12	3,800
134	Camden silt loam	0-18	2,100
190	Onarga fine sandy loam	4-7	100
247	Tovey silt loam	2-12	14,900
250	Velma loam	2-12	7,700
256	Pana silt loam	4-12	2,200
259	Assumption silt loam	2-18	6,900
264	El Dara sandy loam	12-18	1,000
	Total		94,100
	Percent of county		22

Soil number	Soil name	Slope range, percent	Estimated acres
288	Petrolia silty clay loam	0-2	3,400
474	Piasa silt loam	0-2	500
	Total		139,900
	Percent of county		45
	Medium potential for nitrogen loss		
5	Blair silt loam	4-12	5,100
13	Bluford silt loam	0-7	32,100
72	Sharon silt loam	0-2	500
113	Oconee silt loam	0-7	3,900
131	Alvin fine sandy loam	2-12	400
132	Starks silt loam	0-4	2,200
149	Brenton silt loam	0-2	100
164	Stoy silt loam	0-7	23,300
219	Millbrook silt loam	0-2	1,900
285	Carmi loam	0-7	2,000
286	Carmi sandy loam	0-2	300
289	Omaha loam	0-4	500
304	Landes fine sandy loam	0-2	5,300
331	Haymond silt loam	0-2	2,800
333	Wakeland silt loam	0-4	14,600
353	Toronto silt loam	2-4	200
382	Belknap silt loam	0-4	6,000
451	Lawson silt loam	0-2	5,900
452	Riley silty clay loam	2-4	100
454	Iva silt loam	0-2	2,000
467	Markland silt loam	4-30	200
581	Tamalco silt loam	2-4	100

CLARK COUNTY

311,500 Total acres studied

Total	109,500
Percent of county	35

High potential for nitrogen loss

2	Cisne silt loam	0-2	32,900
3	Hoyleton silt loam	0-7	10,600
9	Sandstone rock land	12-60	500
12	Wynoose silt loam	0-2	12,800
48	Ebbert silt loam	0-2	8,900
70	Beaucoup silty clay loam	0-2	2,900
71	Darwin silty clay	0-2	4,600
87	Dickinson sandy loam	0-7	1,000
88	Hagener loamy sand	4-7	100
108	Bonnie silt loam	0-2	700
109	Racoon silt loam	0-2	200
112	Cowden silt loam	0-2	21,700
120	Huey silt loam	0-2	100
138	Shiloh silty clay loam	0-2	100
152	Drummer silty clay loam	0-2	2,100
161	Newart silt loam	0-2	500
162	Gorham silty clay loam	0-2	800
165	Weir silt loam	0-2	28,100
173	McGary silt loam	0-7	900
218	Newberry silt loam	0-2	6,000
287	Chauncey silt loam	0-2	500

Low potential for nitrogen loss

8	Hickory loam	4-60	32,700
14	Ava silt loam	2-18	7,900
27	Miami silt loam	4-7	100
75	Drury silt loam	2-4	100
77	Huntsville silt loam	0-4	2,000
127	Harrison silt loam	2-4	300
134	Camden silt loam	0-12	2,600
155	Stockland loam	0-7	200
214	Hosmer silt loam	0-18	10,200
253	Stonington loam	2-30	900
291	Xenia silt loam	2-7	900
308	Alford silt loam	2-12	1,300
453	Muren silt loam	0-7	<u>2,900</u>
	Total		62,100
	Percent of county		20

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
CLAY COUNTY				87	Dickinson sandy loam	0-4	1,600
283,200 Total acres studied				108	Bonnie silt loam	0-2	9,900
High potential for nitrogen loss				108-A	Bonnie silt loam, wet	0-2	6,600
2	Cisne silt loam	0-2	85,500	109	Racoon silt loam	0-2	100
3	Hoyleton silt loam	0-7	41,300	112	Cowden silt loam	0-2	20,600
12	Wynoose silt loam	0-2	11,900	120	Huey silt loam	0-4	27,900
48	Ebbert silt loam	0-2	2,100	142	Patton silty clay loam	0-2	1,900
70	Beaucoup silty clay loam	0-2	2,100	165	Weir silt loam	0-2	8,300
108	Bonnie silt loam	0-2	300	175	Lamont fine sandy loam	0-2	200
109	Racoon silt loam	0-2	1,000	287	Chauncey silt loam	0-2	400
120	Huey silt loam	0-7	2,900	288	Petrolia silty clay loam	0-2	100
161	Newart silt loam	0-2	500	338	Hurst silt loam	0-2	400
167	Lukin silt loam	0-2	300	382-A	Belknap silt loam, wet	0-2	1,200
218	Newberry silt loam	0-2	13,200	420	Piopolis silty clay loam	0-2	200
287	Chauncey silt loam	0-2	2,300	422	Cape silty clay loam	0-2	200
474	Piasa silt loam	0-2	600	465	Montgomery silty clay	0-2	100
Total			164,000	465-A	Montgomery silty clay, wet	0-2	500
Percent of county			58	474	Piasa silt loam	0-2	13,300
Medium potential for nitrogen loss				Total			179,900
5	Blair silt loam	2-18	12,500	Percent of county			59
7	Atlas silt loam	7-30	700	Medium potential for nitrogen loss			
13	Bluford silt loam	0-7	46,100	5	Blair silt loam	4-30	12,000
72	Sharon silt loam	0-2	100	13	Bluford silt loam	0-12	22,400
382	Belknap silt loam	0-4	31,600	46	Herrick silt loam	0-4	3,300
451	Lawson silt loam	0-2	600	72	Sharon silt loam	0-2	800
581	Tamalco silt loam	0-4	1,200	113	Oconee silt loam	0-7	10,600
584	Walshville loam	4-12	300	122	Colp silt loam	0-7	800
Total			93,100	164	Stoy silt loam	0-7	24,600
Percent of county			33	333	Wakeland silt loam	0-2	300
Low potential for nitrogen loss				382	Belknap silt loam	0-4	12,000
4	Richview silt loam	2-12	1,200	415	Orion silt loam	0-2	3,400
8	Hickory loam	7-60	18,600	451	Lawson silt loam	0-2	3,700
14	Ava silt loam	2-12	6,300	581	Tamalco silt loam	0-18	13,500
Total			26,100	Total			107,400
Percent of county			9	Percent of county			35
CLINTON COUNTY				Low potential for nitrogen loss			
304,700 Total acres studied				8	Hickory loam	7-60	3,100
High potential for nitrogen loss				14	Ava silt loam	2-18	3,700
2	Cisne silt loam	0-2	41,400	75	Drury silt loam	4-7	100
3	Hoyleton silt loam	0-7	7,100	127	Harrison silt loam	4-7	100
12	Wynoose silt loam	0-4	15,200	214	Hosmer silt loam	2-18	9,800
26	Wagner silt loam	0-2	3,600	250	Velma loam	2-4	600
48	Ebbert silt loam	0-2	6,600	Total			17,400
50	Virden silty clay loam	0-2	3,600	Percent of county			6
70	Beaucoup silty clay loam	0-2	8,800	COLES COUNTY			
84	Okaw silt loam	0-2	100	298,700 Total acres studied			
High potential for nitrogen loss				High potential for nitrogen loss			
48	Ebbert silt loam	0-2	400	48	Ebbert silt loam	0-2	400
67	Harpster silt clay loam	0-2	200	67	Harpster silt clay loam	0-2	200

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
112	Cowden silt loam	0-2	5,000	COOK COUNTY			
138	Shiloh silty clay loam	0-2	1,400	200,900 Total acres studied			
152	Drummer silty clay loam	0-2	83,600	High potential for nitrogen loss			
165	Weir silt loam	0-2	2,000	69	Milford silty clay loam	0-2	17,100
206	Thorp silt loam	0-2	400	76-A	Otter silt loam, wet	0-2	3,600
207	Ward silt loam	0-2	1,400	82-A	Millington loam, wet	0-2	1,200
330	Peotone silty clay loam	0-2	300	103	Houghton muck	0-2	5,700
474	Piasa silt loam	0-2	1,000	107-A	Sawmill silty clay loam, wet	0-2	3,900
	Total		95,700	125	Selma loam	0-2	6,600
	Percent of county		32	152	Drummer silty clay loam	0-2	4,300
Medium potential for nitrogen loss				232	Ashkum silt clay loam	0-2	2,900
73	Ross loam	0-2	1,100	235	Bryce silty clay	0-2	11,000
113	Oconee silt loam	0-2	100	314	Joliet silty clay loam	0-2	200
122	Colp silt loam	0-2	3,200	330	Peotone silty clay loam	0-2	300
132	Starks silt loam	0-2	1,300	330-A	Peotone silty clay loam, wet	0-2	900
149	Brenton silt loam	0-4	5,000	594	Reddick silty clay loam	0-2	12,500
154	Flanagan silt loam	0-4	31,800		Total		70,200
164	Stoy silt loam	2-4	100		Percent of county		35
198	Elburn silt loam	0-4	1,400	Medium potential for nitrogen loss			
219	Millbrook silt loam	0-4	1,100	23	Blount silt loam	2-4	1,600
234	Sunbury silt loam	0-2	1,200	91	Swygert silty clay loam	0-12	36,700
236	Sabina silt loam	0-4	9,300	102	LaHogue loam	0-2	5,100
333	Wakeland silt loam	0-2	500	146	Elliott silt loam	0-7	7,300
348	Wingate silt loam	2-7	2,700	149	Brenton silt loam	0-2	800
353	Toronto silt loam	0-4	4,800	157	Rankin sandy loam	0-4	400
451	Lawson silt loam	0-4	12,500	189	Martinton silt loam	0-7	6,400
481	Raub silt loam	0-4	21,500	192	Del Rey silt loam	2-18	3,300
496	Fincastle silt loam	0-4	16,900	228	Nappanee silt loam	7-12	700
	Total		114,500	293	Andres silt loam	2-4	700
	Percent of county		38	295	Mokena silt loam	0-4	10,100
Low potential for nitrogen loss				298	Beecher silt loam	0-7	2,100
25	Hennepin loam	30-60	2,600	318	Lorenzo silt loam	4-7	400
27	Miami silt loam	4-30	6,200	320	Frankfort silt loam	2-12	15,900
55	Sidell silt loam	2-7	2,400	343	Kane silt loam	0-4	600
56	Dana silt loam	2-7	5,300	514	Andres loam	0-2	4,700
134	Camden silt loam	2-7	1,200	531	Markham silt loam	4-12	5,600
145	Saybrook silt loam	2-4	300		Total		102,400
148	Proctor silt loam	2-4	100		Percent of county		51
171	Catlin silt loam	2-7	6,700	Low potential for nitrogen loss			
224	Strawn silt loam	4-60	23,900	24	Dodge silt loam	2-4	1,500
233	Birkbeck silt loam	0-4	4,200	190	Onarga fine sandy loam	2-4	800
291	Xenia silt loam	0-7	19,300	194	Morley silt loam	2-18	13,800
322	Russell silt loam	4-18	14,400	220	Plattville silt loam	0-2	1,100
385	Atlanta silt loam	2-4	1,600	223	Varna silt loam	4-12	5,600
497	Mellott silt loam	2-18	300	224	Strawn silt loam	4-7	900
	Total		88,500	310	McHenry silt loam	2-7	1,600
	Percent of county		30	325	Dresden silt loam	2-4	200

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
327	Fox silt loam	2-4	600	454	Iva silt loam	0-2	2,800
361	Lapeer loam	7-30	2,200	723	Reesville silt loam	0-2	1,300
Total			28,300	Total			113,800
Percent of county			14	Percent of county			43

CRAWFORD COUNTY

266,500 Total acres studied

High potential for nitrogen loss

2	Cisne silt loam	0-2	39,800
12	Wynoose silt loam	0-2	19,500
48	Ebbert silt loam	0-2	4,400
53	Bloomfield fine sand	12-18	100
70	Beaucoup silty clay loam	0-2	2,600
71	Darwin silty clay	0-2	4,200
83	Wabash silty clay	0-2	1,800
98	Ade loamy fine sand	4-7	300
101	Milroy fine sandy loam	0-2	200
108	Bonnie silt loam	0-2	2,800
109	Racoon silt loam	0-2	1,100
112	Cowden silt loam	0-2	2,400
123	River wash sand and gravel	0-2	100
126	Bonpas silty clay loam	0-2	100
138	Shiloh silty clay loam	0-2	100
165	Weir silt loam	0-2	2,200
167	Lukin silt loam	2-4	900
175	Lamont fine sandy loam	2-18	1,400
200	Orio sandy loam	0-2	1,100
208	Sexton silt loam	0-2	1,100
218	Newberry silt loam	0-2	2,300
284	Tice silty clay loam	0-2	800
288	Petrolia silty clay loam	0-2	200
332	Billet sandy loam	0-7	300
Total			89,800
Percent of county			34

Medium potential for nitrogen loss

3	Hoyleton silt loam	0-7	15,200
5	Blair silt loam	4-30	11,300
13	Bluford silt loam	0-12	30,100
72	Sharon silt loam	0-2	1,100
131	Alvin fine sandy loam	2-18	1,500
132	Starks silt loam	2-4	400
164	Stoy silt loam	0-7	10,500
176	Marissa silt loam	0-4	600
184	Roby fine sandy loam	0-2	1,600
285	Carmi loam	0-2	400
286	Carmi sandy loam	0-7	5,500
304	Landes fine sandy loam	0-4	1,200
306	Allison silty clay loam	0-2	8,000
309	Keytesville silt loam	2-7	200
331	Haymond silt loam	0-4	7,200
333	Wakeland silt loam	0-2	5,400
382	Belknap silt loam	0-2	9,500

Low potential for nitrogen loss

4	Richview silt loam	7-12	100
8	Hickory loam	7-30	7,800
8-D	Hickory-Ava complex	7-12	300
8-E	Hickory-Hosmer complex	4-18	3,700
8-G	Hickory-Alford complex	18-30	1,300
14	Ava silt loam	2-12	6,200
15	Parke silt loam	4-7	300
19	Sylvan silt loam	2-18	4,400
127	Harrison silt loam	2-4	200
128	Douglas silt loam	4-7	200
134	Camden silt loam	0-12	2,900
214	Hosmer silt loam	2-30	11,200
308	Alford silt loam	0-30	16,100
453	Muren silt loam	2-7	8,200
Total			62,900
Percent of county			23

CUMBERLAND COUNTY

210,600 Total acres studied

High potential for nitrogen loss

2	Cisne silt loam	0-4	38,800
12	Wynoose silt loam	0-2	7,300
48	Ebbert silt loam	0-2	14,800
70	Beaucoup silty clay loam	0-2	100
112	Cowden silt loam	0-2	26,200
138	Shiloh silty clay loam	0-2	500
152	Drummer silty clay loam	0-2	1,100
161	Newart silt loam	0-4	4,900
165	Weir silt loam	0-2	100
218	Newberry silt loam	0-2	15,500
288	Petrolia silty clay loam	0-2	1,200
330	Peotone silty clay loam	0-2	100
474	Piasa silt loam	0-2	300
Total			110,900
Percent of county			53

Medium potential for nitrogen loss

3	Hoyleton silt loam	0-7	3,700
5	Blair silt loam	4-12	5,300
7	Atlas silt loam	4-12	400
13	Bluford silt loam	0-7	15,800
46	Herrick silt loam	0-2	100
72	Sharon silt loam	0-2	900
113	Oconee silt loam	0-7	5,100
132	Starks silt loam	0-2	900

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres
149	Brenton silt loam	0-2	1,500
164	Stoy silt loam	0-4	1,600
219	Millbrook silt loam	0-2	2,300
236	Sabina silt loam	0-2	300
304	Landes fine sandy loam	0-4	2,000
331	Haymond silt loam	2-4	200
333	Wakeland silt loam	0-4	6,400
353	Toronto silt loam	0-4	1,200
382	Belknap silt loam	0-4	2,200
451	Lawson silt loam	0-4	6,300
496	Fincastle silt loam	0-4	4,900
581	Tamalco silt loam	0-4	400
	Total		61,500
	Percent of county		29
	Low potential for nitrogen loss		
4	Richview silt loam	4-7	600
8	Hickory loam	7-60	18,300
14	Ava silt loam	2-12	4,500
25	Hennepin loam	12-30	700
27	Miami silt loam	4-12	1,400
77	Huntsville silt loam	0-4	8,100
134	Camden silt loam	2-18	1,000
214	Hosmer silt loam	2-4	500
291	Xenia silt loam	2-7	2,200
322	Russell silt loam	2-4	700
344	Harvard silt loam	0-2	200
	Total		38,200
	Percent of county		18

Soil number	Soil name	Slope range, percent	Estimated acres
328	Cullo silt loam	0-2	100
451	Lawson silt loam	0-2	7,400
	Total		182,800
	Percent of county		48
	Low potential for nitrogen loss		
24	Dodge silt loam	0-7	8,400
25	Hennepin loam	7-60	700
55	Sidell silt loam	2-7	3,400
57	Montmorenci silt loam	2-18	2,500
60	LaRose silt loam	4-18	2,700
80	Alexis silt loam	4-7	300
134	Camden silt loam	0-4	1,000
145	Saybrook silt loam	0-12	66,100
148	Proctor silt loam	0-7	18,100
171	Catlin silt loam	4-7	1,400
199	Plano silt loam	0-7	17,200
224	Strawn silt loam	7-12	100
297	Ringwood silt loam	2-7	300
299	Nippersink silt loam	7-12	200
322	Russell silt loam	2-7	1,400
344	Harvard silt loam	0-7	3,600
363	Griswold loam	4-7	100
385	Atlanta silt loam	0-4	500
	Total		128,000
	Percent of county		33

DE WITT COUNTY

DE KALB COUNTY

385,500 Total acres studied

High potential for nitrogen loss			
67	Harpster silt clay loam	0-2	5,600
103	Houghton muck	0-2	4,100
152	Drummer silty clay loam	0-2	60,600
206	Thorp silt loam	0-2	3,000
330	Peotone silty clay loam	0-2	1,400
			<hr/>
Total			74,700
Percent of county			19

Medium potential for nitrogen loss			
59	Lisbon silt loam	0-4	7,100
62	Herbert silt loam	0-2	600
76	Otter silt loam	0-2	2,100
149	Brenton silt loam	0-4	26,100
154	Flanagan silt loam	0-4	84,300
198	Elburn silt loam	0-2	51,500
219	Millbrook silt loam	0-2	2,700
321	DuPage silt loam	0-2	900

DE WITT COUNTY

239,500 Total acres studied

High potential for nitrogen loss			
67	Harpster silty clay loam	0-2	9,700
107	Sawmill silty clay loam	0-2	2,100
152	Drummer silty clay loam	0-2	57,100
206	Thorp silt loam	0-2	100
207	Ward silt loam	0-2	700
208	Sexton silt loam	0-2	100
Total			69,800
Percent of county			29

Medium potential for nitrogen loss			
73	Ross loam	0-2	12,600
149	Brenton silt loam	0-2	1,600
154	Flanagan silt loam	0-4	77,600
234	Sunbury silt loam	0-4	3,500
236	Sabina silt loam	0-4	<u>3,100</u>
Total			98,400
Percent of county			41

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Low potential for nitrogen loss				134	Camden silt loam	2-12	1,900
25	Hennepin loam	7-60	7,100	148	Proctor silt loam	2-4	400
60	LaRose silt loam	4-12	400	171	Catlin silt loam	2-4	100
134	Camden silt loam	2-7	1,500	199	Plano silt loam	0-7	1,300
148	Proctor silt loam	0-7	3,400	224	Strawn silt loam	7-60	4,800
171	Catlin silt loam	2-7	31,200	233	Birkbeck silt loam	2-4	500
224	Strawn silt loam	4-30	9,400	291	Xenia silt loam	2-7	5,300
233	Birkbeck silt loam	0-12	18,300	322	Russell silt loam	4-12	4,500
			Total				Total
			71,300				24,500
			Percent of county				Percent of county
			30				9
DOUGLAS COUNTY				DU PAGE COUNTY			
260,300 Total acres studied				131,600 Total acres studied			
High potential for nitrogen loss				High potential for nitrogen loss			
67	Harpster silty clay loam	0-2	400	67	Harpster silty clay loam	0-2	900
69	Milford silty clay loam	0-2	40,200	76-A	Otter silt loam, wet	0-2	800
83	Wabash silty clay	0-2	400	103	Houghton muck	0-2	2,900
107	Sawmill silty clay loam	0-2	900	107	Sawmill silty clay loam	0-2	2,600
152	Drummer silty clay loam	0-2	89,900	152	Drummer silty clay loam	0-2	2,800
153	Pella silty clay loam	0-2	400	153	Pella silty clay loam	0-2	7,300
206	Thorp silt loam	0-2	300	206	Thorp silt loam	0-2	200
208	Sexton silt loam	0-2	200	210	Lena muck	0-2	500
			Total	232	Ashkum silt clay loam	0-2	6,200
			132,300	312	Rollin muck	0-2	600
			Percent of county	312-A	Rollin muck, wet	0-2	200
			51	329	Will silty clay loam	0-2	1,000
Medium potential for nitrogen loss				330	Peotone silty clay loam	0-2	3,000
104	Virgil silt loam	0-2	300	330-A	Peotone silty clay loam, wet	0-2	2,100
131	Alvin fine sandy loam	2-4	100	594	Reddick silty clay loam	0-2	4,400
132	Starks silt loam	0-2	500				Total
149	Brenton silt loam	0-2	5,500				35,500
154	Flanagan silt loam	0-4	47,400				Percent of county
189	Martinton silt loam	0-2	2,100				27
198	Elburn silt loam	0-4	18,700	Medium potential for nitrogen loss			
219	Millbrook silt loam	0-2	100	23	Blount silt loam	0-4	6,600
234	Sunbury silt loam	0-4	700	59	Lisbon silt loam	0-4	4,800
236	Sabina silt loam	0-4	5,100	76	Otter silt loam	0-2	300
293	Andres silt loam	0-4	600	82	Millington loam	0-2	100
328	Cullo silt loam	0-2	1,300	132	Starks silt loam	0-4	100
353	Toronto silt loam	0-2	100	146	Elliott silt loam	0-4	14,300
375	Rutland silt loam	0-7	3,600	149	Brenton silt loam	0-2	200
451	Lawson silt loam	0-4	3,700	219	Millbrook silt loam	2-4	500
481	Raub silt loam	0-4	7,800	241	Chatsworth silt loam	12-18	100
496	Fincastle silt loam	0-4	5,500	293	Andres silt loam	0-4	10,800
554	Kernan silt loam	2-7	700	298	Beecher silt loam	0-4	6,700
			Total	321	DuPage silt loam	2-4	500
			103,500	343	Kane silt loam	0-4	1,200
			Percent of county	442	Mundelein silt loam	0-7	5,200
			40	451	Lawson silt loam	0-4	300
Low potential for nitrogen loss				490	Odell silt loam	2-4	300
27	Miami silt loam	4-18	2,500	531	Markham silt loam	2-12	4,500
56	Dana silt loam	2-7	3,300	697	Wauconda silt loam	0-2	100
							Total
							56,600
							Percent of county
							43

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Low potential for nitrogen loss				27	Miami silt loam	4-30	1,700
134	Camden silt loam	2-4	400	55	Sidell silt loam	2-12	2,100
145	Saybrook silt loam	2-7	7,000	56	Dana silt loam	2-4	12,000
194	Morley silt loam	2-60	11,600	134	Camden silt loam	0-7	1,900
223	Varna silt loam	2-12	9,400	145	Saybrook silt loam	2-7	3,500
290	Warsaw silt loam	2-7	1,600	148	Proctor silt loam	0-4	1,700
294	Symerton silt loam	0-12	6,900	171	Catlin silt loam	2-4	4,300
325	Dresden silt loam	2-12	2,000	190	Onarga fine sandy loam	2-7	1,600
344	Harvard silt loam	2-7	300	199	Plano silt loam	2-4	300
698	Grays silt loam	2-7	300	214	Hosmer silt loam	4-12	1,100
Total			39,500	224	Strawn silt loam	4-60	10,200
Percent of county			30	233	Birkbeck silt loam	2-4	1,800
				291	Xenia silt loam	2-7	15,700
				322	Russell silt loam	2-18	16,200
				Total			80,200
				Percent of county			21
EDGAR COUNTY				EDWARDS COUNTY			
379,800 Total acres studied				139,700 Total acres studied			
High potential for nitrogen loss				High potential for nitrogen loss			
67	Harpster silty clay loam	0-2	300	2	Cisne silt loam	0-2	1,100
152	Drummer silty clay loam	0-2	147,400	12	Wynoose silt loam	0-2	1,300
165	Weir silt loam	0-2	200	71	Darwin silty clay	0-2	1,300
206	Thorp silt loam	0-2	200	108	Bonnie silt loam	0-2	5,800
207	Ward silt loam	0-2	1,100	109	Raccoon silt loam	0-2	3,600
208	Sexton silt loam	0-2	3,900	126	Bonpas silty clay loam	0-2	1,400
330	Peotone silty clay loam	0-2	1,500	142	Patton silty clay loam	0-2	3,400
Total			154,600	173	McGary silt loam	0-12	1,000
Percent of county			41	208	Sexton silt loam	0-2	2,500
Medium potential for nitrogen loss				287	Chauncey silt loam	0-4	4,100
62	Herbert silt loam	0-2	100	288	Petrolia silty clay loam	0-2	1,600
73	Ross loam	0-2	1,200	465	Montgomery silty clay	0-2	4,100
132	Starks silt loam	0-4	1,300	Total			31,200
149	Brenton silt loam	0-4	10,900	Percent of county			22
154	Flanagan silt loam	0-4	63,800	Medium potential for nitrogen loss			
164	Stoy silt loam	0-4	3,100	3	Hoyleton silt loam	0-7	11,300
198	Elburn silt loam	0-4	4,300	5	Blair silt loam	4-12	5,500
234	Sunbury silt loam	0-4	3,800	13	Bluford silt loam	0-7	15,700
236	Sabina silt loam	0-7	18,100	72	Sharon silt loam	0-2	3,500
328	Cullo silt loam	0-2	500	131	Alvin fine sandy loam	4-30	300
331	Haymond silt loam	0-2	1,300	132	Starks silt loam	0-4	400
333	Wakeland silt loam	0-2	1,000	164	Stoy silt loam	0-12	3,100
348	Wingate silt loam	0-2	1,000	176	Marissa silt loam	0-2	100
353	Toronto silt loam	0-4	3,900	333	Wakeland silt loam	0-2	400
451	Lawson silt loam	0-2	3,300	335	Robbs silt loam	2-7	400
481	Raub silt loam	0-4	13,400	382	Belknap silt loam	0-4	24,900
496	Fincastle silt loam	0-4	14,000	Total			65,600
Total			145,000	Percent of county			47
Percent of county			38				
Low potential for nitrogen loss							
8	Hickory loam	12-30	4,900				
25	Hennepin loam	18-60	1,200				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Low potential for nitrogen loss				FAYETTE COUNTY			
4	Richview silt loam	4-12	700	428,800 Total acres studied			
8	Hickory loam	7-60	5,300	High potential for nitrogen loss			
8-D	Hickory-Ava complex	4-18	2,600	2	Cisne silt loam	0-2	77,200
14	Ava silt loam	2-12	8,300	12	Wynoose silt loam	0-2	17,700
134	Camden silt loam	0-12	1,200	48	Ebbert silt loam	0-2	9,900
214	Hosmer silt loam	2-7	4,500	70	Beaucoup silty clay loam	0-2	4,000
301	Grantsburg silt loam	2-18	11,800	71	Darwin silty clay	0-2	9,000
339	Wellston silt loam	7-30	4,500	108	Bonnie silt loam	0-2	1,700
340	Zanesville silt loam	3-20	4,000	109	Racoon silt loam	0-2	400
	Total		42,900	112	Cowden silt loam	0-2	5,300
	Percent of county		31	120	Huey silt loam	0-12	4,700
EFFINGHAM COUNTY				138	Shiloh silty clay loam	0-2	1,400
279,900 Total acres studied				161	Newart silt loam	0-2	900
High potential for nitrogen loss				165	Weir silt loam	0-2	1,200
2	Cisne silt loam	0-2	105,900	175	Lamont fine sandy loam	2-18	1,200
12	Wynoose silt loam	0-2	4,000	218	Newberry silt loam	0-2	8,000
48	Ebbert silt loam	0-2	3,600	284	Tice silty clay loam	0-2	800
108	Bonnie silt loam	0-2	700	287	Chauncey silt loam	0-2	2,600
120	Huey silt loam	0-4	3,300	288	Petrolia silty clay loam	0-2	4,600
138	Shiloh silty clay loam	0-2	700	334	Birds silt loam	0-2	1,000
218	Newberry silt loam	0-2	17,300	420	Piopolis silty clay loam	0-2	700
287	Chauncey silt loam	0-2	900	474	Piasa silt loam	0-2	500
334	Birds silt loam	0-2	1,200		Total		152,800
	Total		137,600		Percent of county		36
	Percent of county		49	Medium potential for nitrogen loss			
Medium potential for nitrogen loss				3	Hoyleton silt loam	0-7	33,000
3	Hoyleton silt loam	0-7	28,300	5	Blair silt loam	2-12	4,400
5	Blair silt loam	2-12	7,100	7	Atlas silt loam	4-12	1,100
13	Bluford silt loam	0-7	34,000	13	Bluford silt loam	0-7	37,200
72	Sharon silt loam	0-2	2,600	72	Sharon silt loam	0-2	2,100
131	Alvin fine sandy loam	2-4	100	113	Oconee silt loam	0-7	9,400
304	Landes fine sandy loam	0-2	400	114	O'Fallon silt loam	2-12	2,500
333	Wakeland silt loam	0-2	7,500	132	Starks silt loam	0-7	4,400
382	Belknap silt loam	0-4	9,100	164	Stoy silt loam	0-12	1,600
451	Lawson silt loam	0-2	1,600	304	Landes fine sandy loam	0-2	500
551	Gosport silt loam	7-18	200	333	Wakeland silt loam	0-4	35,600
581	Tamalco silt loam	0-4	3,400	382	Belknap silt loam	0-4	14,000
	Total		94,300	451	Lawson silt loam	0-4	15,500
	Percent of county		34	581	Tamalco silt loam	0-7	9,000
Low potential for nitrogen loss				585	Negley loam	7-30	1,800
4	Richview silt loam	2-7	100		Total		172,100
8	Hickory loam	7-30	30,000		Percent of county		40
14	Ava silt loam	2-12	15,200	Low potential for nitrogen loss			
77	Huntsville silt loam	0-2	2,700	4	Richview silt loam	2-7	1,800
	Total		48,000	8	Hickory loam	4-60	48,400
	Percent of county		17	14	Ava silt loam	2-12	37,500
				15	Parke silt loam	2-12	1,900
				75	Drury silt loam	2-7	600
				77	Huntsville silt loam	0-4	9,100

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
128	Douglas silt loam	2-12	1,200	Low potential for nitrogen loss			
134	Camden silt loam	0-18	900	60	LaRose silt loam	4-30	2,000
214	Hosmer silt loam	2-12	2,400	134	Camden silt loam	0-12	700
583	Pike silt loam	12-18	100	145	Saybrook silt loam	0-7	9,200
Total			103,900	148	Proctor silt loam	0-7	2,300
Percent of county			24	151	Ridgeville fine sandy loam	0-2	500
				190	Onarga fine sandy loam	2-4	400
				194	Morley silt loam	4-30	1,400
				223	Varna silt loam	2-12	5,400
				294	Symerton silt loam	2-7	4,400
				344	Harvard silt loam	0-7	2,400
				Total			28,700
				Percent of county			10
				FRANKLIN COUNTY			
				261,200 Total acres studied			
				High potential for nitrogen loss			
67	Harpster silty clay loam	0-2	2,400	2	Cisne silt loam	0-2	17,900
69	Milford silty clay loam	0-2	5,500	12	Wynoose silt loam	0-4	21,100
103	Houghton muck	0-2	300	26	Wagner silt loam	0-2	1,300
107	Sawmill silty clay loam	0-2	2,100	84	Okaw silt loam	0-4	9,900
125	Selma loam	0-2	600	108	Bonnie silt loam	0-2	8,400
152	Drummer silty clay loam	0-2	36,400	108-A	Bonnie silt loam, wet	0-2	15,200
153	Pella silty clay loam	0-2	11,000	109	Racoon silt loam	0-2	3,900
206	Thorp silt loam	0-2	400	120	Huey silt loam	0-2	100
229	Monee silt loam	0-2	1,500	338	Hurst silt loam	0-4	1,800
230	Rowe silty clay	0-2	10,600	420-A	Piopolis silty clay loam, wet	0-2	3,600
232	Ashkum silty clay loam	0-2	12,800	422	Cape silty clay loam	0-2	4,200
235	Bryce silty clay	0-2	9,500	Total			87,400
238	Rantoul silty clay	0-2	300	Percent of county			34
330	Peotone silty clay loam	0-2	1,300				
347	Harpster loam	0-2	300	Medium potential for nitrogen loss			
594	Reddick silty clay loam	0-2	41,200	23	Blount silt loam	0-4	1,500
Total			136,200	59	Lisbon silt loam	0-2	700
Percent of county			45	91	Swygert silty clay loam	0-12	22,600
				102	LaHogue loam	0-2	3,400
				132	Starks silt loam	0-2	200
				146	Elliott silt loam	0-7	30,600
				147	Clarence silty clay loam	0-12	9,500
				149	Brenton silt loam	0-4	15,600
				189	Martinton silt loam	0-2	300
				219	Millbrook silt loam	0-2	4,200
				241	Chatsworth silt loam	4-18	1,000
				293	Andres silt loam	0-4	14,900
				295	Mokena silt loam	0-4	20,900
				298	Beecher silt loam	0-4	300
				328	Cullo silt loam	0-2	100
				448	Mona silt loam	0-7	3,700
				451	Lawson silt loam	0-2	4,700
				531	Markham silt loam	7-12	200
Total			134,400	Total			19,400
Percent of county			45	Percent of county			7

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
FULTON COUNTY				19-K	Sylvan-Bold complex	12-18	700
523,900 Total acres studied				36	Tama silt loam	0-2	1,600
High potential for nitrogen loss				37	Worthen silt loam	7-12	300
9	Sandstone rock land	30-60	3,400	75	Drury silt loam	7-12	100
16	Rushville silt loam	0-2	4,200	77	Huntsville silt loam	0-2	3,400
45	Denny silt loam	0-2	900	134	Camden silt loam	4-12	1,800
47	Virden silt loam	0-2	4,000	243	St. Charles silt loam	2-7	2,000
65	Illiopoli silty clay loam	0-2	23,600	280	Fayette silt loam	0-7	200
70	Beaucoup silty clay loam	0-2	17,400	283	Clary silt loam	2-18	46,200
71	Darwin silty clay	0-2	17,300	386	Downs silt loam	0-4	1,800
107	Sawmill silty clay loam	0-2	400				Total 253,600
162	Gorham silty clay loam	0-2	1,800				Percent of county 49
175	Lamont fine sandy loam	2-4	900	GALLATIN COUNTY			
206	Thorp silt loam	0-2	600	196,000 Total acres studied			
284	Tice silty clay loam	0-4	12,200	High potential for nitrogen loss			
284-A	Tice silty clay loam, wet	0-2	2,900	9	Sandstone rock land	12-60	1,000
451-A	Lawson silt loam, wet	0-2	1,200	12	Wynoose silt loam	0-2	1,400
			Total 90,800	53	Bloomfield fine sand	4-30	200
			Percent of county 17	67	Harpster silty clay loam	0-2	4,200
Medium potential for nitrogen loss				70	Beaucoup silty clay loam	0-2	5,000
6	Fishhook silt loam	12-18	800	71	Darwin silty clay	0-2	2,700
17	Keomah silt loam	0-4	51,100	84	Okaw silt loam	0-2	100
28	Jules silt loam	0-2	300	101	Milroy fine sandy loam	0-2	2,300
43	Ipava silt loam	0-4	32,300	107	Sawmill silty clay loam	0-2	200
61	Atterberry silt loam	0-2	300	142	Patton silty clay loam	0-2	14,000
78	Arenzville silt loam	0-2	100	173	McGary silt loam	0-7	6,600
81	Littleton silt loam	2-4	600	175	Lamont fine sandy loam	2-18	600
119	Elco silt loam	7-30	2,900	178	Ruark fine sandy loam	0-2	2,200
131	Alvin fine sandy loam	7-12	300	208	Sexton silt loam	0-2	3,300
180	Dupo silt loam	0-2	1,300	284	Tice silty clay loam	0-4	1,500
242	Kendall silt loam	0-2	300	288	Petrolia silty clay loam	0-2	200
246	Bolivia silt loam	0-7	10,000	292	Wallkill silt loam	0-2	1,000
257	Clarksdale silt loam	0-4	29,800	334	Birds silt loam	0-2	400
258	Sicily silt loam	0-12	11,100	420	Piopolis silty clay loam	0-2	700
266	Disco sandy loam	0-2	900	426	Karnak silty clay	0-4	6,900
278	Stronghurst silt loam	0-4	1,000	426-A	Karnak silty clay, wet	0-2	1,100
333	Wakeland silt loam	0-2	300	460	Ginat silt loam	0-2	2,100
415	Orion silt loam	0-2	6,100	465	Montgomery silty clay	0-2	3,500
451	Lawson silt loam	0-2	26,000				Total 61,200
551	Gosport silt loam	12-60	4,000				Percent of county 31
			Total 179,500	Medium potential for nitrogen loss			
			Percent of county 34	13	Bluford silt loam	0-7	1,200
Low potential for nitrogen loss				131	Alvin fine sandy loam	0-12	4,700
8	Hickory loam	7-60	53,000	132	Starks silt loam	0-4	2,000
8-M	Hickory-Sylvan complex	18-60	3,400	176	Marissa silt loam	0-4	5,100
8-W	Hickory-Gosport complex	18-30	17,900	180	Dupo silt loam	0-2	4,700
8-Z	Hickory-Negley complex	18-30	9,800	184	Roby fine sandy loam	0-4	5,500
18	Clinton silt loam	0-12	77,700	306	Allison silty clay loam	0-4	15,500
19	Sylvan silt loam	4-30	33,700	331	Haymond silt loam	0-4	800
				333	Wakeland silt loam	0-2	10,700
				382	Belknap silt loam	0-2	2,900
				461	Weinbach silt loam	0-4	3,200

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil num-ber	Soil name	Slope range, percent	Esti-mated acres	Soil num-ber	Soil name	Slope range, percent	Esti-mated acres
462	Sciotoville silt loam	2-18	2,400	333	Wakeland silt loam	0-2	4,800
467	Markland silt loam	0-18	2,700	451	Lawson silt loam	0-4	18,200
723	Reesville silt loam	0-12	19,000				
						Total	111,000
		Total	80,400			Percent of county	33
		Percent of county	41				
	Low potential for nitrogen loss				Low potential for nitrogen loss		
8	Hickory loam	4-30	1,000	8	Hickory loam	2-60	38,400
14	Ava silt loam	2-12	1,400	8-T	Hickory-Hennepin complex	4-60	1,300
37	Worthen silt loam	0-12	2,000	18	Clinton silt loam	2-60	30,800
75	Drury silt loam	0-18	1,400	19	Sylvan silt loam	7-18	900
134	Camden silt loam	0-12	2,400	19-K	Sylvan-Bold complex	7-60	16,000
214	Hosmer silt loam	2-12	8,400	30	Hamburg silt	30-60	1,100
308	Alford silt loam	2-60	12,200	36	Tama silt loam	4-7	1,400
339	Wellston silt loam	2-30	2,400	37	Worthen silt loam	0-18	6,800
339-H	Wellston-Muskingum complex	12-30	4,500	77	Huntsville silt loam	0-2	2,700
340	Zanesville silt loam	7-30	4,200	94	Limestone rock land	30-60	1,100
453	Muren silt loam	0-7	3,200	134	Camden silt loam	2-4	400
482	Uniontown silt loam	0-18	11,300	279	Rozetta silt loam	2-12	15,600
				280	Fayette silt loam	2-60	29,600
		Total	54,400	283	Clary silt loam	4-18	4,600
		Percent of county	28	386	Downs silt loam	2-30	12,400
				471	Bodine cherty silt loam	18-60	1,800
				472	Baylis silt loam	18-30	300
						Total	165,200
						Percent of county	50
GREENE COUNTY				GRUNDY COUNTY			
333,900 Total acres studied				243,100 Total acres studied			
	High potential for nitrogen loss				High potential for nitrogen loss		
16	Rushville silt loam	0-2	900	67	Harpster silty clay loam	0-2	3,700
26	Wagner silt loam	0-2	100	69	Milford silty clay loam	0-2	200
45	Denny silt loam	0-2	200	70	Beaucoup silty clay loam	0-2	500
47	Virden silt loam	0-2	8,000	87	Dickinson sandy loam	0-4	5,800
50	Virden silty clay loam	0-2	900	98	Ade loamy fine sand	2-4	100
68	Sable silty clay loam	0-2	14,000	103	Houghton muck	0-2	100
70	Beaucoup silty clay loam	0-2	18,600	107	Sawmill silty clay loam	0-2	4,700
71	Darwin silty clay	0-2	6,100	107-A	Sawmill silty clay loam, wet	0-2	2,000
83	Wabash silty clay	0-2	7,100	125	Selma loam	0-2	5,300
88	Hagener loamy sand	2-30	800	152	Drummer silty clay loam	0-2	25,000
284	Tice silty clay loam	0-4	1,000	153	Pella silty clay loam	0-2	7,700
				172	Hoopeston sandy loam	0-2	5,600
		Total	57,700	200	Orio sandy loam	0-2	500
		Percent of county	17	201	Gilford fine sandy loam	0-2	3,500
	Medium potential for nitrogen loss			206	Thorp silt loam	0-2	800
17	Keomah silt loam	0-4	22,300	232	Ashkum silt clay loam	0-2	800
28	Jules silt loam	0-2	2,000	235	Bryce silty clay	0-2	700
41	Muscatine silt loam	0-4	46,000	317	Millsdale silty clay loam	0-2	700
46	Herrick silt loam	0-2	1,000	329	Will silty clay loam	0-2	400
78	Arenzville silt loam	0-2	500	330	Peotone silty clay loam	0-2	400
81	Littleton silt loam	0-2	1,800	332	Billet sandy loam	0-2	400
132	Starks silt loam	2-4	100	347	Harpster loam	0-2	100
180	Dupo silt loam	0-2	2,300	400	Calco silty clay loam	0-2	800
257	Clarksdale silt loam	0-4	12,000				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
435	Streator silty clay loam	0-2	1,100	315	Channahon silt loam	0-12	4,500
594	Reddick silty clay loam	0-2	38,200	344	Harvard silt loam	0-4	1,100
				495	Corwin silt loam	0-4	700
		Total	116,600	506	Hitt silt loam	2-12	200
	Percent of county		48		Total		23,600
					Percent of county		10
Medium potential for nitrogen loss				HAMILTON COUNTY			
23	Blount silt loam	0-4	3,600	263,700 Total acres studied			
42	Papineau fine sandy loam	0-4	1,000	High potential for nitrogen loss			
73	Ross loam	0-2	1,100	2	Cisne silt loam	0-2	8,200
79	Volinia silt loam	2-4	300	12	Wynoose silt loam	0-4	12,300
91	Swygert silty clay loam	2-12	1,200	108	Bonnie silt loam	0-2	26,700
102	LaHogue loam	0-2	200	109	Raccoon silt loam	0-2	16,700
132	Starks silt loam	0-4	2,100	287	Chauncey silt loam	0-2	2,600
146	Elliott silt loam	0-4	2,900	288	Petrolia silty clay loam	0-2	8,600
147	Clarence silty clay loam	0-12	800	420	Piopolis silty clay loam	0-2	7,200
149	Brenton silt loam	0-4	19,800	422	Cape silty clay loam	0-2	6,600
154	Flanagan silt loam	0-4	1,200	426	Karnak silty clay	0-2	7,000
157	Rankin sandy loam	0-2	300	426-A	Karnak silty clay, wet	0-2	1,400
189	Martinton silt loam	0-4	1,400		Total		97,300
198	Elburn silt loam	0-2	400		Percent of county		37
228	Nappanee silt loam	0-18	200	Medium potential for nitrogen loss			
285	Carmi loam	0-4	1,300	3	Hoyleton silt loam	0-7	15,600
286	Carmi sandy loam	0-7	1,800	5	Blair silt loam	4-18	18,400
289	Omaha loam	0-2	3,600	13	Bluford silt loam	0-12	43,300
293	Andres silt loam	0-4	21,300	72	Sharon silt loam	0-2	500
295	Mokena silt loam	0-7	13,700	335	Robbs silt loam	0-4	3,000
298	Beecher silt loam	0-4	1,000	337	Creal silt loam	0-2	1,200
318	Lorenzo silt loam	2-18	900	382	Belknap silt loam	0-4	22,300
321	DuPage silt loam	0-2	200	427	Burnside silt loam	0-4	2,700
328	Cullo silt loam	0-2	200		Total		107,000
362	Lorenzo sandy loam	2-4	2,200		Percent of county		41
375	Rutland silt loam	0-4	2,100	Low potential for nitrogen loss			
442	Mundelein silt loam	0-2	200	4	Richview silt loam	2-4	200
448	Mona silt loam	2-7	2,000	8	Hickory loam	4-60	2,700
451	Lawson silt loam	0-2	11,200	8-D	Hickory-Ava complex	7-12	100
490	Odell silt loam	0-2	3,600	14	Ava silt loam	2-12	9,900
531	Markham silt loam	4-7	500	301	Grantsburg silt loam	2-12	18,800
554	Kernan silt loam	7-12	100	339	Wellston silt loam	4-30	8,800
609	Crane silt loam	0-2	500	340	Zanesville silt loam	4-30	16,500
		Total	102,900	425	Muskingum stony silt loam	12-60	2,400
	Percent of county		42		Total		59,400
Low potential for nitrogen loss					Percent of county		22
134	Camden silt loam	4-12	300				
148	Proctor silt loam	2-4	2,400				
151	Ridgeville fine sandy loam	0-2	3,600				
171	Catlin silt loam	2-4	500				
194	Morley silt loam	4-30	3,200				
220	Plattville silt loam	0-2	800				
223	Varna silt loam	2-12	1,900				
290	Warsaw silt loam	0-4	2,200				
294	Symerton silt loam	0-4	2,200				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
HANCOCK COUNTY				HARDIN COUNTY			
468,900 Total acres studied				93,900 Total acres studied			
High potential for nitrogen loss				High potential for nitrogen loss			
16	Rushville silt loam	0-2	600	9	Sandstone rock land	30-60	1,400
45	Denny silt loam	0-2	800	70	Beaucoup silty clay loam	0-2	100
47	Virden silt loam	0-2	6,000	108	Bonnie silt loam	0-2	400
50	Virden silty clay loam	0-2	2,900	108-A	Bonnie silt loam, wet	0-2	200
65	Illiopolis silty clay loam	0-2	3,700	109	Racoon silt loam	0-2	300
68	Sable silty clay loam	0-2	6,300	334	Birds silt loam	0-2	100
420	Piopolis silty clay loam	0-2	200	460	Ginat silt loam	0-2	100
451-A	Lawson silt loam, wet	0-2	400				
	Total		20,900		Total		2,600
	Percent of county		4		Percent of county		3
Medium potential for nitrogen loss				Medium potential for nitrogen loss			
5	Blair silt loam	12-18	600	72	Sharon silt loam	0-2	1,800
7	Atlas silt loam	12-30	5,800	331	Haymond silt loam	0-4	1,500
17	Keomah silt loam	0-4	6,800	333	Wakeland silt loam	0-4	1,000
41	Muscatine silt loam	0-4	8,800	335	Robbs silt loam	0-4	600
43	Ipava silt loam	0-2	15,300	382	Belknap silt loam	0-4	4,800
46	Herrick silt loam	0-4	80,700	427	Burnside silt loam	0-4	1,700
61	Atterberry silt loam	0-7	25,200	461	Weinbach silt loam	0-12	300
81	Littleton silt loam	2-4	300	462	Sciotoville silt loam	2-30	1,200
246	Bolivia silt loam	2-7	8,000	475	Elsah cherty silt loam	2-4	100
257	Clarksdale silt loam	0-4	4,300				
258	Sicily silt loam	2-7	2,600		Total		13,000
278	Stronghurst silt loam	0-2	4,900		Percent of county		14
333	Wakeland silt loam	0-2	1,900				
451	Lawson silt loam	0-2	21,700		Low potential for nitrogen loss		
470	Keller silt loam	0-2	21,700	19	Sylvan silt loam	7-18	600
475	Elsah cherty silt loam	2-4	2,000	214	Hosmer silt loam	2-30	4,400
504	Sogn silt loam	18-30	4,300	215	Wartrace silt loam	2-30	17,700
660	Coatsburg silt loam	4-12	2,800	301	Grantsburg silt loam	2-18	11,400
	Total		209,100	308	Alford silt loam	4-30	9,300
	Percent of county		45	339	Wellston silt loam	12-60	3,400
				339-H	Wellston-Muskingum complex	12-60	1,600
	Low potential for nitrogen loss			340	Zanesville silt loam	7-30	5,600
8	Hickory loam	7-60	63,400	425	Muskingum stony silt loam	12-60	14,500
18	Clinton silt loam	2-30	22,400	453	Muren silt loam	4-12	300
29	Dubuque silt loam	7-12	400	471	Bodine cherty silt loam	12-30	3,800
36	Tama silt loam	4-7	1,500	472	Baylis silt loam	12-30	5,700
75	Drury silt loam	2-4	600				
77	Huntsville silt loam	0-2	10,900		Total		78,300
94	Limestone rock land	18-30	5,700		Percent of county		83
127	Harrison silt loam	2-7	29,900				
250	Velma loam	4-18	13,500		HENDERSON COUNTY		
279	Rozetta silt loam	0-12	28,200		233,900 Total acres studied		
280	Fayette silt loam	2-18	27,500				
386	Downs silt loam	2-12	34,900		High potential for nitrogen loss		
	Total		238,900	53	Bloomfield fine sand	0-12	9,200
	Percent of county		51	68	Sable silty clay loam	0-2	8,300
				70	Beaucoup silty clay loam	0-2	3,800

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
88	Hagener loamy sand	0-12	3,800	HENRY COUNTY			
107	Sawmill silty clay loam	0-2	7,800	508,400 Total acres studied			
107-A	Sawmill silty clay loam, wet	0-2	3,600	High potential for nitrogen loss			
125	Selma loam	0-2	500	45	Denny silt loam	0-2	3,400
136	Brooklyn silt loam	0-2	600	53	Bloomfield fine sand	2-7	900
152	Drummer silty clay loam	0-2	800	67	Harpster silty clay loam	0-2	8,900
187	Milroy sandy loam	0-2	100	68	Sable silty clay loam	0-2	10,200
206	Thorp silt loam	0-2	500	87	Dickinson sandy loam	0-18	6,100
261	Niota silt loam	0-2	100	88	Hagener loamy sand	0-18	17,000
270	Oquawka sand	0-12	11,300	90	Plainfield fine sand	2-30	1,800
272	Edgington silt loam	0-2	400	98	Ade loamy fine sand	0-4	1,100
455	Mixed alluvial land	0-2	1,400	103	Houghton muck	0-2	6,400
455-A	Mixed alluvial land, wet	0-2	1,000	107	Sawmill silty clay loam	0-2	3,100
			Total	107-A	Sawmill silty clay loam, wet	0-2	1,500
			53,200	125	Selma loam	0-2	3,500
Percent of county			23	152	Drummer silty clay loam	0-2	23,900
Medium potential for nitrogen loss				153	Pella silty clay loam	0-2	3,300
41	Muscatine silt loam	0-4	32,600	172	Hoopeston sandy loam	0-2	5,700
61	Atterberry silt loam	0-7	5,400	175	Lamont fine sandy loam	0-18	7,000
81	Littleton silt loam	0-4	4,800	201	Gilford fine sandy loam	0-2	300
149	Brenton silt loam	0-2	700	206	Thorp silt loam	0-2	4,600
188	Beardstown loam	0-2	1,000	210	Lena muck	0-2	2,900
265	Lomax loam	0-2	2,500	332	Billet sandy loam	2-7	500
266	Disco sandy loam	0-7	5,700	400	Calco silty clay loam	0-2	1,200
267	Curran silt loam	0-4	1,700	465	Montgomery silty clay	0-2	17,200
278	Stronghurst silt loam	0-4	6,600				Total
286	Carmi sandy loam	2-4	300				130,500
306	Allison silty clay loam	0-2	200				Percent of county
			Total				26
			61,500	Medium potential for nitrogen loss			
Percent of county			26	7	Atlas silt loam	7-12	1,600
Low potential for nitrogen loss				41	Muscatine silt loam	0-4	41,500
30	Hamburg silt	12-18	100	61	Atterberry silt loam	0-2	6,000
34	Tallula silt loam	4-18	400	74	Radford silt loam	0-2	18,200
35	Bold silt loam	7-12	100	76	Otter silt loam	0-2	400
36	Tama silt loam	2-18	21,900	131	Alvin fine sandy loam	2-4	300
37	Worthen silt loam	2-12	1,000	149	Brenton silt loam	0-4	7,500
77	Huntsville silt loam	0-2	11,800	180	Dupo silt loam	0-18	5,700
80	Alexis silt loam	2-4	100	198	Elburn silt loam	0-2	8,300
263	Fall silt loam	0-12	6,300	219	Millbrook silt loam	0-2	400
268	Mt. Carroll silt loam	2-4	200	262	Denrock silt loam	0-4	1,200
271	Timula silt loam	7-18	600	265	Lomax loam	2-4	200
273	Decorra silt loam	0-60	13,800	278	Stronghurst silt loam	0-2	500
274	Seaton silt loam	2-7	4,000	451	Lawson silt loam	0-2	18,800
275	Joy silt loam	0-4	11,300	470	Keller silt loam	7-12	200
276	Biggsville silt loam	2-18	2,700	651	Selma silt loam	0-2	4,400
277	Port Byron silt loam	2-7	600				Total
279	Rozetta silt loam	2-18	13,700				115,200
280	Fayette silt loam	2-30	3,600				Percent of county
281	Hopper silt loam	18-60	1,000				22
281-F	Hopper-Hickory complex	12-60	26,000	Low potential for nitrogen loss			
			Total	8	Hickory loam	7-30	8,600
			119,200	8-M	Hickory-Sylvan complex	18-30	1,400
Percent of county			51	19	Sylvan silt loam	7-30	3,500

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

[illegible]

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
344	Harvard silt loam	2-7	1,400	Low potential for nitrogen loss			
359	Epworth fine sandy loam	2-4	200	8	Hickory loam	7-60	19,800
			Total	8-D	Hickory-Ava complex	12-18	700
			73,800	8-E	Hickory-Hosmer complex	12-30	5,900
Percent of county			11	14	Ava silt loam	4-12	5,800
				134	Camden silt loam	0-60	8,400
				214	Hosmer silt loam	2-60	85,600
				215	Wartrace silt loam	2-30	6,400
				216	Stookey silt loam	30-60	100
				308	Alford silt loam	2-30	31,100
				339	Wellston silt loam	18-30	3,700
				340	Zanesville silt loam	12-30	4,100
				425	Muskingum stony silt loam	18-60	3,200
				453	Muren silt loam	2-30	8,800
				456	Ware silt loam	0-2	700
			Total				184,300
Percent of county				Percent of county			54
				JASPER COUNTY			
				308,000 Total acres studied			
				High potential for nitrogen loss			
9	Sandstone rock land	30-60	700	2	Cisne silt loam	0-4	88,800
12	Wynoose silt loam	0-2	2,200	12	Wynoose silt loam	0-2	10,900
53	Bloomfield fine sand	2-4	400	48	Ebbert silt loam	0-2	16,300
71	Darwin silty clay	0-2	13,200	53	Bloomfield fine sand	4-30	700
84	Okaw silt loam	0-12	22,400	70	Beaucoup silty clay loam	0-2	9,000
85	Jacob clay	0-7	4,100	108	Bonnie silt loam	0-2	8,300
108	Bonnie silt loam	0-2	11,600	120	Huey silt loam	0-7	5,000
109	Raccoon silt loam	0-2	100	178	Ruark fine sandy loam	0-2	800
161	Newart silt loam	0-2	1,000	218	Newberry silt loam	0-2	18,700
162	Gorham silty clay loam	0-2	1,800	287	Chauncey silt loam	0-4	1,900
165	Weir silt loam	0-2	500	288	Petrolia silty clay loam	0-2	6,800
208	Sexton silt loam	0-2	1,400	334	Birds silt loam	0-2	4,600
284	Tice silty clay loam	0-2	2,200	474	Piasa silt loam	0-4	2,100
334	Birds silt loam	0-4	1,700				Total
338	Hurst silt loam	0-18	15,900				173,900
420	Piopolis silty clay loam	0-2	9,400				Percent of county
420-A	Piopolis silty clay loam, wet	0-2	1,100				56
422	Cape silty clay loam	0-4	1,700				
426	Karnak silty clay	0-4	4,300	Medium potential for nitrogen loss			
426-A	Karnak silty clay, wet	0-2	6,100	3	Hoyleton silt loam	0-7	22,300
525	Darwin silty clay loam	0-2	1,800	5	Blair silt loam	2-18	13,700
			Total	13	Bluford silt loam	0-7	25,800
Percent of county			103,600	72	Sharon silt loam	0-2	600
			30	131	Alvin fine sandy loam	2-18	3,300
				176	Marissa silt loam	2-4	200
				184	Roby fine sandy loam	2-7	500
				331	Haymond silt loam	0-4	5,100
				333	Wakeland silt loam	0-4	7,200
				382	Belknap silt loam	0-2	9,000
				451	Lawson silt loam	0-2	1,300
				551	Gosport silt loam	12-60	8,500
				581	Tamalco silt loam	0-7	3,100
			Total				Total
Percent of county			55,400				100,600
			16	Percent of county			33

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil num-ber	Soil name	Slope range, percent	Esti-mated acres	Soil num-ber	Soil name	Slope range, percent	Esti-mated acres
Low potential for nitrogen loss				173	McGary silt loam	4-7	100
4	Richview silt loam	2-4	200	248	McFain silty clay	0-2	3,600
8	Hickory loam	4-60	26,400	284	Tice silty clay loam	0-2	200
14	Ava silt loam	2-12	6,900	474	Piasa silt loam	0-2	200
Total			33,500	Total			17,700
Percent of county			11	Percent of county			8
JEFFERSON COUNTY				Medium potential for nitrogen loss			
346,900 Total acres studied				17	Keomah silt loam	0-7	17,500
High potential for nitrogen loss				28	Jules silt loam	0-2	100
2	Cisne silt loam	0-4	33,000	41	Muscatine silt loam	0-2	5,700
12	Wynoose silt loam	0-2	35,400	46	Herrick silt loam	0-2	8,500
108	Bonnie silt loam	0-2	9,700	81	Littleton silt loam	0-2	1,700
287	Chauncey silt loam	0-2	600	132	Starks silt loam	0-7	1,000
Total			78,700	180	Dupo silt loam	0-2	500
Percent of county			23	246	Bolivia silt loam	2-4	4,800
Medium potential for nitrogen loss				257	Clarksdale silt loam	0-2	9,800
3	Hoyleton silt loam	0-7	33,000	258	Sicily silt loam	2-7	15,100
5	Blair silt loam	2-60	78,600	278	Stronghurst silt loam	0-4	3,200
13	Bluford silt loam	0-12	71,000	331	Haymond silt loam	0-4	5,000
72	Sharon silt loam	0-2	5,600	333	Wakeland silt loam	0-4	2,900
382	Belknap silt loam	0-4	32,700	451	Lawson silt loam	0-2	8,100
Total			220,900	475	Elsah cherty silt loam	0-4	1,800
Percent of county			64	Total			85,700
Low potential for nitrogen loss				Percent of county			38
4	Richview silt loam	4-7	2,500	Low potential for nitrogen loss			
8	Hickory loam	7-30	3,900	8	Hickory loam	7-60	22,700
14	Ava silt loam	0-12	34,500	18	Clinton silt loam	2-18	19,000
15	Parke silt loam	7-30	2,400	19-K	Sylvan-Bold complex	12-60	6,300
95	Shale rock land	12-60	2,200	30	Hamburg silt	30-60	1,200
339	Wellston silt loam	7-18	1,800	37	Worthen silt loam	2-4	2,000
Total			47,300	75	Drury silt loam	2-7	400
Percent of county			13	77	Huntsville silt loam	0-2	700
JERSEY COUNTY				94	Limestone rock land	30-60	2,900
225,200 Total acres studied				127	Harrison silt loam	2-4	2,200
High potential for nitrogen loss				134	Camden silt loam	2-30	600
16	Rushville silt loam	0-2	1,800	279	Rozetta silt loam	2-18	16,700
45	Denny silt loam	0-2	200	280	Fayette silt loam	2-60	27,200
47	Viriden silt loam	0-2	2,500	280-N	Fayette-Bodine complex	18-60	19,900
50	Viriden silty clay loam	0-2	300	Total			121,800
70	Beaucoup silty clay loam	0-2	5,600	Percent of county			54
71	Darwin silty clay	0-2	2,100	JO DAVIESS COUNTY			
71-A	Darwin silty clay, wet	0-2	200	375,400 Total acres studied			
83	Wabash silty clay	0-2	100	High potential for nitrogen loss			
112	Cowden silt loam	0-2	800	53	Bloomfield fine sand	0-2	900
Total				68	Sable silty clay loam	0-2	200
Percent of county				82-A	Millington loam, wet	0-2	1,600
				175	Lamont fine sandy loam	4-18	1,400
				Total			4,100
				Percent of county			1

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Medium potential for nitrogen loss				426-A	Karnak silty clay, wet	0-2	1,800
61	Atterberry silt loam	2-4	1,700	460	Ginat silt loam	0-2	2,300
74	Radford silt loam	0-2	2,900				
104	Virgil silt loam	0-4	7,300			Total	51,500
131	Alvin fine sandy loam	2-7	1,300			Percent of county	25
184	Roby fine sandy loam	4-7	100				
198	Elburn silt loam	0-2	1,200	Medium potential for nitrogen loss			
239	Dorchester silt loam	0-2	11,500	72	Sharon silt loam	0-2	6,700
333	Wakeland silt loam	0-2	1,000	180	Dupo silt loam	0-2	300
451	Lawson silt loam	0-2	10,000	335	Robbs silt loam	0-2	700
504	Sogn silt loam	7-60	33,500	427	Burnside silt loam	0-4	200
572	Loran silt loam	12-18	300	461	Weinbach silt loam	0-2	2,500
743	Ridott silt loam	2-18	15,100	462	Sciotoville silt loam	2-7	1,200
744	Gratiot silt loam	2-12	3,500				
		Total	89,400			Total	11,600
		Percent of county	24			Percent of county	5
Low potential for nitrogen loss				Low potential for nitrogen loss			
29	Dubuque silt loam	4-60	46,200	214	Hosmer silt loam	2-30	60,800
36	Tama silt loam	2-7	5,300	215	Wartrace silt loam	2-18	1,000
40	Dodgeville silt loam	7-18	1,900	301	Grantsburg silt loam	2-60	26,000
75	Drury silt loam	4-7	200	339	Wellston silt loam	12-30	500
77	Huntsville silt loam	0-2	1,500	339-H	Wellston-Muskingum complex	7-60	29,000
94	Limestone rock land	30-60	1,300	340	Zanesville silt loam	7-30	26,800
105	Batavia silt loam	2-7	1,600	425	Muskingum stony silt loam	18-30	200
134	Camden silt loam	2-12	2,500	463	Wheeling silt loam	2-4	100
243	St. Charles silt loam	0-4	1,700				
274	Seaton silt loam	7-30	800			Total	144,400
279	Rozetta silt loam	2-7	7,200			Percent of county	70
280	Fayette silt loam	2-30	75,000	KANE COUNTY			
385	Atlanta silt loam	4-7	300	295,400 Total acres studied			
386	Downs silt loam	2-12	27,900				
411	Ashdale silt loam	4-18	14,400	High potential for nitrogen loss			
417	Derinda silt loam	4-30	6,400	67	Harpster silty clay loam	0-2	4,200
429	Palsgrove silt loam	4-30	57,400	76-A	Otter silt loam, wet	0-2	1,700
547	Eleroy silt loam	4-18	22,000	103	Houghton muck	0-2	1,500
578	Dorchester silt loam, rocky sub.	0-2	2,500	103-A	Houghton muck, wet	0-2	700
731	Nasset silt loam	4-12	5,800	123	River wash sand and gravel	0-2	100
		Total	281,900	152	Drummer silty clay loam	0-2	53,100
		Percent of county	75	152-A	Drummer silty clay loam, wet	0-2	600
JOHNSON COUNTY				206	Thorp silt loam	0-2	500
207,500 Total acres studied				210	Lena muck	0-2	2,900
High potential for nitrogen loss				232	Ashkum silt clay loam	0-2	1,500
9	Sandstone rock land	18-60	20,000	330	Peotone silty clay loam	0-2	500
71	Darwin silty clay	0-2	700	330-A	Peotone silty clay loam, wet	0-2	300
108	Bonnie silt loam	0-2	11,300	347	Harpster loam	0-2	400
108-A	Bonnie silt loam, wet	0-2	1,200	358	Loamy burned muck	0-2	300
382	Belknap silt loam	0-4	11,000	594	Reddick silty clay loam	0-2	800
420	Piopolis silty clay loam	0-2	400				
420-A	Piopolis silty clay loam, wet	0-2	900			Total	69,100
426	Karnak silty clay	0-2	1,900			Percent of county	23

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Medium potential for nitrogen loss				KANKAKEE COUNTY			
23	Blount silt loam	2-4	4,200	396,300 Total acres studied			
59	Lisbon silt loam	0-4	4,500	High potential for nitrogen loss			
62	Herbert silt loam	0-4	1,800	49	Watseka loamy fine sand	0-2	6,100
76	Otter silt loam	0-2	1,700	53	Bloomfield fine sand	2-18	3,000
82	Millington loam	0-2	1,800	67	Harpster silty clay loam	0-2	2,600
93	Rodman gravelly loam	12-60	1,000	87	Dickinson sandy loam	0-7	12,600
104	Virgil silt loam	0-2	2,200	88	Hagener loamy sand	0-12	900
131	Alvin fine sandy loam	4-7	100	89	Maumee fine sandy loam	0-2	100
146	Elliott silt loam	2-7	1,900	90	Plainfield fine sand	0-60	12,000
149	Brenton silt loam	0-4	28,200	98	Ade loamy fine sand	0-7	4,900
154	Flanagan silt loam	0-4	7,600	103	Houghton muck	0-2	200
198	Elburn silt loam	0-4	14,800	107	Sawmill silty clay loam	0-2	1,600
219	Millbrook silt loam	0-4	12,900	125	Selma loam	0-2	9,500
293	Andres silt loam	0-4	1,300	125-A	Selma loam, wet	0-2	3,300
298	Beecher silt loam	0-4	1,500	152	Drummer silty clay loam	0-2	23,700
318	Lorenzo silt loam	7-12	200	153	Pella silty clay loam	0-2	15,400
342	Matherton silt loam	0-2	200	172	Hoopeston sandy loam	0-4	23,200
451	Lawson silt loam	0-4	1,600	175	Lamont fine sandy loam	2-4	100
531	Markham silt loam	4-7	300	200	Orio sandy loam	0-2	600
Total			87,800	201	Gilford fine sandy loam	0-2	19,500
Percent of county			30	201-A	Gilford fine sandy loam, wet	0-2	900
Low potential for nitrogen loss				206	Thorp silt loam	0-2	3,100
24	Dodge silt loam	2-12	17,500	232	Ashkum silt clay loam	0-2	4,900
25	Hennepin loam	7-60	1,100	235	Bryce silty clay	0-2	1,400
27	Miami silt loam	2-7	2,200	270	Oquawka sand	0-7	1,000
57	Montmorenci silt loam	2-7	12,000	317	Millsdale silty clay loam	0-2	7,000
60	LaRose silt loam	2-18	2,300	330	Peotone silty clay loam	0-2	700
105	Batavia silt loam	0-4	700	332	Billet sandy loam	2-4	100
134	Camden silt loam	0-12	23,500	347	Harpster loam	0-2	1,700
145	Saybrook silt loam	2-7	18,200	501	Morocco fine sand	0-2	3,200
148	Proctor silt loam	0-7	17,900	594	Reddick silty clay loam	0-2	10,200
194	Morley silt loam	2-18	2,300	Total			173,500
199	Plano silt loam	0-4	3,400	Percent of county			44
205	Metea sandy loam	2-4	2,800	Medium potential for nitrogen loss			
221	Parr silt loam	4-12	800	42	Papineau fine sandy loam	0-4	800
223	Varna silt loam	2-18	2,700	59	Lisbon silt loam	0-2	400
224	Strawn silt loam	4-30	6,700	73	Ross loam	0-2	1,300
243	St. Charles silt loam	2-4	300	91	Swygert silty clay loam	0-7	2,600
290	Warsaw silt loam	0-7	1,200	102	LaHogue loam	0-2	12,400
294	Symerton silt loam	2-4	500	132	Starks silt loam	0-2	500
297	Ringwood silt loam	2-7	2,200	141	Wesley sandy loam	0-2	400
299	Nippersink silt loam	2-4	400	146	Elliott silt loam	0-4	30,000
310	McHenry silt loam	2-4	1,000	149	Brenton silt loam	0-2	10,100
323	Casco silt loam	7-30	900	157	Rankin sandy loam	0-4	300
325	Dresden silt loam	2-7	1,400	184	Roby fine sandy loam	0-2	1,600
327	Fox silt loam	2-60	1,200	219	Millbrook silt loam	0-4	2,600
344	Harvard silt loam	0-18	5,500	293	Andres silt loam	0-4	20,600
361	Lapeer loam	2-30	8,800	295	Mokena silt loam	0-4	4,100
363	Griswold loam	4-12	1,000	298	Beecher silt loam	0-4	2,500
Total			138,500	320	Frankfort silt loam	0-4	2,900
Percent of county			47	328	Cullo silt loam	0-2	8,400

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil num- ber	Soil name	Slope range, percent	Esti- mated acres
451	Lawson silt loam	0-2	6,800
490	Odell silt loam	0-2	18,800
492	Shallow to limestone rubble	0-7	3,000
504	Sogn silt loam	4-18	1,200
514	Andres loam	0-4	3,700
515	Mokena loam	0-4	1,600
518	Frankfort sandy loam	0-4	3,500
531	Markham silt loam	2-12	6,400
672	Swygert sandy loam	0-4	<u>800</u>
		Total	147,300
		Percent of county	37
Low potential for nitrogen loss			
134	Camden silt loam	2-4	200
148	Proctor silt loam	0-7	3,600
151	Ridgeville fine sandy loam	0-4	8,800
190	Onarga fine sandy loam	0-7	3,400
204	Ayr sandy loam	0-7	600
220	Plattville silt loam	0-4	14,700
223	Varna silt loam	2-12	7,100
294	Symerton silt loam	0-7	11,600
311	Ritchey silt loam	4-7	600
315	Channahon silt loam	0-4	1,500
344	Harvard silt loam	0-7	1,200
359	Epworth fine sandy loam	2-7	900
410	Woodbine silt loam	0-12	4,900
411	Ashdale silt loam	0-4	3,400
495	Corwin silt loam	0-7	6,700
506	Hitt silt loam	0-7	2,800
520	Dark sandy over limestone	0-4	<u>3,500</u>
		Total	75,500
		Percent of county	19
Low potential for nitrogen loss			
24	Dodge silt loam	0-12	1,900

Digitized by Google

KENDALL COUNTY

193,400 Total acres studied

High potential for nitrogen loss					
67	Harpster silty clay loam	0-2	2,100	145	Proctor silt loam
76-A	Otter silt loam, wet	0-2	500	148	Ridgeville fine sandy loam
88	Hagener loamy sand	4-7	100	151	Stockland loam
103	Houghton muck	0-2	1,200	155	Catlin silt loam
107	Sawmill silty clay loam	0-2	800	171	Plano silt loam
152	Drummer silty clay loam	0-2	33,200	199	Parr silt loam
206	Thorp silt loam	0-2	1,500	221	Varna silt loam
207	Ward silt loam	0-2	300	223	Strawn silt loam
210	Lena muck	0-12	300	224	St. Charles silt loam
229	Monee silt loam	0-2	400	243	Warsaw silt loam
230	Rowe silty clay	0-2	600	290	Symerton silt loam
232	Ashkum silty clay loam	0-2	500	294	Ringwood silt loam
235	Bryce silty clay	0-2	11,600	297	McHenry silt loam
238	Rantoul silty clay	0-2	400	310	Casco silt loam
300	Abington clay loam	0-2	200	323	Dresden silt loam
330	Peotone silty clay loam	0-2	200	325	Fox silt loam
				327	Harvard silt loam
				344	

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
387	Ockley silt loam	2-7	1,400	134	Camden silt loam	4-30	300
394	Longlois silt loam	0-4	1,100	243	St. Charles silt loam	2-18	600
				247	Tovey silt loam	2-12	9,800
	Total		64,800	259	Assumption silt loam	7-18	9,000
	Percent of county		33	279	Rozetta silt loam	0-12	2,800
KNOX COUNTY				280	Fayette silt loam	2-18	13,000
435,700 Total acres studied				283	Clary silt loam	2-30	26,100
					Total		210,000
					Percent of county		48
High potential for nitrogen loss				LAKE COUNTY			
16	Rushville silt loam	0-2	100	177,200 Total acres studied			
45	Denny silt loam	0-2	1,900	High potential for nitrogen loss			
65	Illioopolis silty clay loam	0-2	5,500	54	Plainfield sand	7-12	100
68	Sable silty clay loam	0-2	9,700	67	Harpster silty clay loam	0-2	1,000
107	Sawmill silty clay loam	0-2	1,300	97	Houghton peat	0-2	800
107-A	Sawmill silty clay loam, wet	0-2	1,800	103	Houghton muck	0-2	15,400
152	Drummer silty clay loam	0-2	500	107	Sawmill silty clay loam	0-2	100
206	Thorp silt loam	0-2	300	153	Pella silty clay loam	0-2	9,600
210	Lena muck	0-2	100	232	Ashkum silt clay loam	0-2	6,900
415-A	Orion silt loam, wet	0-2	700	330	Peotone silty clay loam	0-2	4,600
451-A	Lawson silt loam, wet	0-4	11,000	330-A	Peotone silty clay loam, wet	0-2	3,100
	Total		32,900	465	Montgomery silty clay	0-2	6,000
	Percent of county		8	594	Reddick silty clay loam	0-2	12,200
Medium potential for nitrogen loss					Total		59,800
17	Keomah silt loam	0-2	6,000		Percent of county		34
41	Muscatine silt loam	0-4	45,800	Medium potential for nitrogen loss			
43	Ipava silt loam	0-4	37,200	23	Blount silt loam	2-4	3,500
61	Atterberry silt loam	0-4	2,000	91	Swygert silty clay loam	0-2	1,300
73	Ross loam	0-2	2,300	93	Rodman gravelly loam	18-30	300
74	Radford silt loam	0-2	2,200	146	Elliott silt loam	0-4	9,500
78	Arenzville silt loam	0-2	500	189	Martinton silt loam	2-12	200
81	Littleton silt loam	7-30	300	228	Nappanee silt loam	0-7	4,700
119	Elco silt loam	7-30	28,000	293	Andres silt loam	0-4	4,700
131	Alvin fine sandy loam	12-30	300	298	Beecher silt loam	0-7	5,900
149	Brenton silt loam	0-2	500	320	Frankfort silt loam	0-4	4,500
246	Bolivia silt loam	0-12	19,900	442	Mundelein silt loam	0-2	4,100
257	Clarksdale silt loam	0-4	9,700	490	Odell silt loam	0-4	3,400
258	Sicily silt loam	0-18	16,100	531	Markham silt loam	0-12	13,000
386	Downs silt loam	2-12	13,100	697	Wauconda silt loam	0-4	1,400
451	Lawson silt loam	0-2	5,300		Total		56,500
470	Keller silt loam	7-12	500		Percent of county		32
551	Gosport silt loam	7-60	3,100	Low potential for nitrogen loss			
	Total		192,800	8	Hickory loam	7-60	41,100
	Percent of county		44	8-W	Hickory-Gosport complex	12-18	800
Low potential for nitrogen loss				18	Clinton silt loam	0-12	28,500
6	Tama silt loam	0-12	68,300	37	Worthen silt loam	0-12	1,000
75	Drury silt loam	2-12	500	77	Huntsville silt loam	0-2	8,200

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
294	Symerton silt loam	2-7	3,700	293	Andres silt loam	0-4	1,500
323	Casco silt loam	2-18	400	295	Mokena silt loam	2-4	1,700
327	Fox silt loam	2-4	100	298	Beecher silt loam	4-12	800
443	Barrington silt loam	0-4	1,700	321	DuPage silt loam	0-4	1,000
495	Corwin silt loam	2-7	6,200	375	Rutland silt loam	0-7	18,600
696	Zurich silt loam	0-18	5,800	451	Lawson silt loam	0-2	3,000
698	Grays silt loam	0-7	600				
Total			60,900	Total			290,500
Percent of county			34	Percent of county			42
LA SALLE COUNTY				Low potential for nitrogen loss			
698,400 Total acres studied				24	Dodge silt loam	2-12	3,700
High potential for nitrogen loss				25	Hennepin loam	18-60	3,500
67	Harpster silty clay loam	0-2	14,000	36	Tama silt loam	2-7	9,600
68	Sable silty clay loam	0-2	32,100	60	LaRose silt loam	4-12	800
83	Wabash silty clay	0-2	3,100	95	Shale rock land	30-60	200
87	Dickinson sandy loam	2-4	400	105	Batavia silt loam	0-7	2,600
103	Houghton muck	0-2	900	134	Camden silt loam	0-30	26,000
107	Sawmill silty clay loam	0-2	200	148	Proctor silt loam	2-7	5,100
152	Drummer silty clay loam	0-2	90,000	151	Ridgeville fine sandy loam	2-4	1,300
206	Thorp silt loam	0-2	5,800	171	Catlin silt loam	2-12	61,300
232	Ashkum silt clay loam	0-2	8,300	194	Morley silt loam	7-60	6,500
235	Bryce silty clay	0-2	10,400	199	Plano silt loam	0-7	27,500
238	Rantoul silty clay	0-2	100	223	Varna silt loam	2-12	17,600
330	Peotone silty clay loam	0-2	1,700	224	Strawn silt loam	12-18	3,300
397	Boone loamy fine sand	18-60	1,000	233	Birkbeck silt loam	0-30	25,200
400	Calco silty clay loam	0-2	11,500	243	St. Charles silt loam	2-7	3,700
400-A	Calco silty clay loam, wet	0-2	1,700	280	Fayette silt loam	2-12	6,100
435	Streator silty clay loam	0-2	7,500	290	Warsaw silt loam	2-4	700
633	Traer silt loam	0-2	1,000	325	Dresden silt loam	7-18	800
Total			189,700	327	Fox silt loam	4-7	500
Percent of county			27	344	Harvard silt loam	0-7	1,600
Medium potential for nitrogen loss				386	Downs silt loam	2-12	4,900
41	Muscatine silt loam	0-4	71,400	388	Wenona silt loam	2-7	5,400
61	Atterberry silt loam	2-4	5,400	549	Marseilles silt loam	2-4	300
73	Ross loam	0-2	9,900	Total			218,200
82	Millington loam	0-2	200	Percent of county			31
91	Swygert silty clay loam	2-7	17,000	LAWRENCE COUNTY			
93	Rodman gravelly loam	7-12	100	229,600 Total acres studied			
131	Alvin fine sandy loam	2-12	4,900	High potential for nitrogen loss			
132	Starks silt loam	0-2	1,700	2	Cisne silt loam	0-2	5,200
146	Elliott silt loam	2-4	16,200	12	Wynoose silt loam	0-2	3,000
149	Brenton silt loam	0-4	4,800	50	Virden silty clay loam	0-2	500
154	Flanagan silt loam	0-4	72,100	53	Bloomfield fine sand	2-7	400
198	Elburn silt loam	0-4	20,800	70	Beaucoup silty clay loam	0-2	300
219	Millbrook silt loam	0-4	1,600	71	Darwin silty clay	0-2	7,200
228	Nappanee silt loam	0-12	15,500	71-A	Darwin silty clay, wet	0-2	7,400
234	Sunbury silt loam	0-4	4,900	83	Wabash silty clay	0-2	3,200
236	Sabina silt loam	0-2	800	83-A	Wabash silty clay, wet	0-2	900
241	Chatsworth silt loam	4-60	8,700	88	Hagener loamy sand	0-4	1,200
242	Kendall silt loam	0-2	1,200	108	Bonnie silt loam	0-2	1,100
278	Stronghurst silt loam	2-4	6,700	109	Raccoon silt loam	0-2	1,700
				120	Huey silt loam	0-4	400
				125	Selma loam	0-2	100

continued

ILLINOIS
SURVEY
JUL 12 1990

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
142	Patton silty clay loam	0-2	17,400	LEE COUNTY			
167	Lukin silt loam	2-4	100	446,900 Total acres studied			
173	McGary silt loam	0-7	3,800	High potential for nitrogen loss			
175	Lamont fine sandy loam	0-7	2,900	53	Bloomfield fine sand	0-30	7,500
178	Ruark fine sandy loam	0-2	500	67	Harpster silty clay loam	0-2	10,000
187	Milroy sandy loam	0-2	400	68	Sable silty clay loam	0-2	6,400
200	Orio sandy loam	0-2	300	87	Dickinson sandy loam	0-12	6,300
208	Sexton silt loam	0-2	2,200	90	Plainfield fine sand	12-18	100
284	Tice silty clay loam	0-2	2,300	98	Ade loamy fine sand	4-7	100
287	Chauncey silt loam	0-4	700	103	Houghton muck	0-2	800
288	Petrolia silty clay loam	0-2	6,300	107	Sawmill silty clay loam	0-2	5,400
300	Abington clay loam	0-2	1,500	125	Selma loam	0-2	11,900
303	Sawmill clay loam	0-2	400	130	Pittwood fine sandy loam	0-2	3,400
334	Birds silt loam	0-2	100	152	Drummer silty clay loam	0-2	69,300
			Total	152-A	Drummer silty clay loam, wet	0-2	1,700
			71,500	153	Pella silty clay loam	0-2	2,400
Percent of county			31	172	Hoopeston sandy loam	0-4	1,600
Medium potential for nitrogen loss				175	Lamont fine sandy loam	0-30	5,400
3	Hoyleton silt loam	0-7	3,900	201	Gilford fine sandy loam	0-2	2,800
5	Blair silt loam	4-12	2,500	206	Thorp silt loam	0-2	5,200
13	Bluford silt loam	0-4	30,200	210	Lena muck	0-2	200
46	Herrick silt loam	0-2	1,200	347	Harpster loam	0-2	300
72	Sharon silt loam	0-2	1,100	397	Boone loamy fine sand	4-60	3,100
131	Alvin fine sandy loam	2-18	900	659	Light sand over sandstone	4-60	1,400
132	Starks silt loam	0-4	5,300				Total
164	Stoy silt loam	0-4	7,700				145,300
176	Marissa silt loam	0-4	6,100				Percent of county
184	Roby fine sandy loam	0-4	1,800				32
285	Carmi loam	0-4	15,200	Medium potential for nitrogen loss			
286	Carmi sandy loam	0-12	1,900	41	Muscatine silt loam	0-4	17,800
289	Omaha loam	0-2	2,100	59	Lisbon silt loam	0-4	4,400
304	Landes fine sandy loam	0-2	2,700	61	Atterberry silt loam	0-2	800
305	Palestine loam	0-4	1,300	76	Otter silt loam	0-2	200
307	Iona silt loam	0-4	2,500	102	LaHogue loam	0-4	5,600
331	Haymond silt loam	0-2	4,100	131	Alvin fine sandy loam	2-12	1,500
333	Wakeland silt loam	0-2	4,400	149	Brenton silt loam	0-4	24,000
382	Belknap silt loam	0-2	13,500	154	Flanagan silt loam	0-4	22,500
			Total	198	Elburn silt loam	0-2	4,400
			108,400	265	Lomax loam	0-12	6,700
Percent of county			47	278	Stronghurst silt loam	0-2	100
Low potential for nitrogen loss				304	Landes fine sandy loam	0-30	200
4	Richview silt loam	2-7	500	343	Kane silt loam	0-2	800
8	Hickory loam	7-60	500	398	Wea silt loam	0-4	4,300
8-D	Hickory-Ava complex	7-30	5,800	415	Orion silt loam	0-2	100
8-E	Hickory-Hosmer complex	7-18	600	451	Lawson silt loam	0-2	5,600
8-G	Hickory-Alford complex	4-18	700	490	Odell silt loam	0-4	1,500
14	Ava silt loam	2-18	26,400	504	Sogn silt loam	7-12	600
75	Drury silt loam	0-2	1,000	609	Crane silt loam	0-2	1,300
134	Camden silt loam	2-7	1,400				Total
148	Proctor silt loam	0-4	600				102,400
155	Stockland loam	4-7	400				Percent of county
214	Hosmer silt loam	2-18	6,400				23
253	Stonington loam	0-12	1,100	Low potential for nitrogen loss			
308	Alford silt loam	2-30	4,300	24	Dodge silt loam	2-60	9,700
			Total	25	Hennepin loam	7-18	400
			49,700				
Percent of county			22				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
27	Miami silt loam	2-18	4,600	Medium potential for nitrogen loss			
36	Tama silt loam	0-12	27,500	23	Blount silt loam	0-4	2,400
55	Sidell silt loam	2-4	300	41	Muscatine silt loam	0-4	12,400
60	LaRose silt loam	2-12	6,000	59	Lisbon silt loam	0-4	15,600
77	Huntsville silt loam	0-2	600	62	Herbert silt loam	0-2	400
94	Limestone rock land	30-60	400	73	Ross loam	0-2	3,100
134	Camden silt loam	2-18	1,500	79	Volinia silt loam	0-4	5,500
145	Saybrook silt loam	0-12	38,800	91	Swygert silty clay loam	0-12	64,300
148	Proctor silt loam	0-7	11,800	132	Starks silt loam	0-4	4,400
151	Ridgeville fine sandy loam	0-2	900	144	Alvin sandy loam	2-7	1,000
159	Pilot silt loam	0-7	21,000	146	Elliott silt loam	0-7	38,600
171	Catlin silt loam	0-12	28,900	147	Clarence silty clay loam	0-7	16,500
190	Onarga fine sandy loam	0-30	8,100	149	Brenton silt loam	0-4	26,500
194	Morley silt loam	4-12	1,300	154	Flanagan silt loam	0-4	17,300
199	Plano silt loam	0-4	1,600	157	Rankin sandy loam	2-4	100
204	Ayr sandy loam	0-12	5,900	188	Beardstown loam	0-2	1,500
205	Metea sandy loam	2-18	1,900	189	Martinton silt loam	0-2	600
223	Varna silt loam	2-7	1,300	198	Elburn silt loam	0-4	4,600
224	Strawn silt loam	4-60	4,600	219	Millbrook silt loam	0-2	1,900
233	Birkbeck silt loam	2-7	3,300	228	Nappanee silt loam	0-30	2,100
279	Rozetta silt loam	0-2	500	234	Sunbury silt loam	0-2	400
280	Fayette silt loam	0-7	1,000	241	Chatsworth silt loam	4-60	2,200
311	Ritchey silt loam	12-30	900	293	Andres silt loam	0-4	35,800
325	Dresden silt loam	0-2	100	295	Mokena silt loam	0-7	43,700
385	Atlanta silt loam	2-12	1,000	328	Cullo silt loam	0-2	200
386	Downs silt loam	2-4	700	448	Mona silt loam	2-18	4,200
410	Woodbine silt loam	2-30	2,600	451	Lawson silt loam	0-4	7,100
413	Gale silt loam	4-12	1,000	554	Kernan silt loam	0-12	2,000
495	Corwin silt loam	2-12	7,000				
506	Hitt silt loam	2-12	1,900				
640	Shallow to shale	2-12	2,100				
			Total				314,400
			199,200				Percent of county
			Percent of county				49
			45	Low potential for nitrogen loss			
LIVINGSTON COUNTY				24	Dodge silt loam	0-18	5,500
638,900 Total acres studied				25	Hennepin loam	12-60	1,700
High potential for nitrogen loss				134	Camden silt loam	0-30	3,800
67	Harpster silty clay loam	0-2	1,600	145	Saybrook silt loam	0-4	13,500
68	Sable silty clay loam	0-2	9,800	148	Proctor silt loam	0-7	8,300
69	Milford silty clay loam	0-2	5,400	150	Onarga sandy loam	2-4	900
107	Sawmill silty clay loam	0-2	4,400	156	Ridgeville sandy loam	0-4	1,100
107-A	Sawmill silty clay loam, wet	0-2	1,300	171	Catlin silt loam	2-7	2,000
152	Drummer silty clay loam	0-2	85,200	194	Morley silt loam	0-30	2,700
206	Thorp silt loam	0-2	3,200	199	Plano silt loam	2-4	400
229	Monee silt loam	0-2	1,800	223	Varna silt loam	2-12	8,300
230	Rowe silty clay	0-2	7,200	294	Symerton silt loam	2-30	7,700
232	Ashkum silt clay loam	0-2	27,800	315	Channahon silt loam	2-12	100
235	Bryce silty clay	0-2	39,400	344	Harvard silt loam	0-18	1,700
238	Rantoul silty clay	0-2	1,100	346	Dowagiac silt loam	0-2	500
238-A	Rantoul silty clay, wet	0-2	400	359	Epworth fine sandy loam	0-7	800
300	Abington clay loam	0-2	1,300	506	Hitt silt loam	2-7	400
330	Peotone silty clay loam	0-2	4,700				
330-A	Peotone silty clay loam, wet	0-2	300				
594	Reddick silty clay loam	0-2	70,200				
			Total				59,400
			265,100				Percent of county
			Percent of county				9
			42				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
LOGAN COUNTY				322	Russell silt loam	7-18	3,600
383,200 Total acres studied				344	Harvard silt loam	4-12	400
High potential for nitrogen loss				385	Atlanta silt loam	2-12	400
16	Rushville silt loam	0-2	500	684	Broadwell silt loam	0-7	28,300
45	Denny silt loam	0-2	1,400	685	Middletown silt loam	4-12	1,600
65	Illioopolis silty clay loam	0-2	54,300				Total 106,500
67	Harpster silty clay loam	0-2	4,400				Percent of county 28
68	Sable silty clay loam	0-2	2,900	MACON COUNTY			
87	Dickinson sandy loam	0-7	1,000	333,700 Total acres studied			
107	Sawmill silty clay loam	0-2	13,000	High potential for nitrogen loss			
107-A	Sawmill silty clay loam, wet	0-2	600	65	Illioopolis silty clay loam	0-2	600
136	Brooklyn silt loam	0-2	1,200	67	Harpster silty clay loam	0-2	2,300
152	Drummer silty clay loam	0-2	11,300	107-A	Sawmill silty clay loam, wet	0-2	700
191	Knight silt loam	0-2	2,900	152	Drummer silty clay loam	0-2	119,000
244	Hartsburg silty clay loam	0-2	700	153	Pella silty clay loam	0-2	500
284	Tice silty clay loam	0-2	1,800	175	Lamont fine sandy loam	7-12	800
			Total 96,000	206	Thorp silt loam	0-2	2,300
			Percent of county 25	207	Ward silt loam	0-2	500
Medium potential for nitrogen loss				244	Hartsburg silty clay loam	0-2	4,600
17	Keomah silt loam	2-12	7,200	330	Peotone silty clay loam	0-2	800
41	Muscatine silt loam	0-4	6,300				Total 132,100
43	Ipava silt loam	0-4	51,400				Percent of county 39
73	Ross loam	0-2	3,600	Medium potential for nitrogen loss			
131	Alvin fine sandy loam	4-18	500	17	Keomah silt loam	0-4	1,200
198	Elburn silt loam	0-2	11,500	43	Ipava silt loam	0-4	3,000
212	Thebes silt loam	2-12	1,600	73	Ross loam	0-2	4,400
242	Kendall silt loam	0-2	1,100	74	Radford silt loam	0-2	1,800
246	Bolivia silt loam	0-7	46,800	76	Otter silt loam	0-2	800
257	Clarksdale silt loam	0-4	3,000	119	Elco silt loam	7-18	300
258	Sicily silt loam	2-12	10,000	132	Starks silt loam	2-4	200
451	Lawson silt loam	0-2	19,600	154	Flanagan silt loam	0-4	107,600
683	Lawndale silt loam	0-4	18,100	198	Elburn silt loam	0-4	14,900
			Total 180,700	234	Sunbury silt loam	0-4	1,000
			Percent of county 47	236	Sabina silt loam	0-4	2,200
Low potential for nitrogen loss				246	Bolivia silt loam	2-7	1,000
8	Hickory loam	12-60	400	257	Clarksdale silt loam	0-2	200
18	Clinton silt loam	2-30	7,400	258	Sicily silt loam	0-4	400
25	Hennepin loam	7-60	900	328	Cullo silt loam	0-2	3,300
27	Miami silt loam	4-12	1,300				Total 142,300
34	Tallula silt loam	7-12	300				Percent of county 43
36	Tama silt loam	2-12	22,200	Low potential for nitrogen loss			
80	Alexis silt loam	4-12	1,600	8	Hickory loam	12-30	200
105	Batavia silt loam	0-4	3,700	18	Clinton silt loam	2-12	2,100
148	Proctor silt loam	2-12	4,400	25	Hennepin loam	12-60	5,200
171	Catlin silt loam	2-12	3,600	60	LaRose silt loam	2-12	4,400
190	Onarga fine sandy loam	2-12	700	134	Camden silt loam	0-12	3,300
199	Plano silt loam	0-7	17,900	137	Ellison silt loam	4-18	1,900
221	Parr silt loam	7-12	400	148	Proctor silt loam	0-4	300
233	Birkbeck silt loam	4-12	2,100	171	Catlin silt loam	0-7	20,400
243	St. Charles silt loam	0-7	4,700				
280	Fayette silt loam	2-7	600				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
199	Plano silt loam	0-4	7,700	MADISON COUNTY			
224	Strawn silt loam	4-18	7,100	396,300 Total acres studied			
233	Birkbeck silt loam	1-7	5,800	High potential for nitrogen loss			
243	St. Charles silt loam	0-4	600	47	Viriden silt loam	0-2	2,600
247	Tovey silt loam	4-7	200	48	Ebbert silt loam	0-2	2,200
	Total		59,300	50	Viriden silty clay loam	0-2	2,800
	Percent of county		18	65	Illio polis silty clay loam	0-2	3,100
MACOUPIN COUNTY				70	Beaucoup silty clay loam	0-2	4,700
542,700 Total acres studied				71	Darwin silty clay	0-2	1,300
High potential for nitrogen loss				71-A	Darwin silty clay, wet	0-2	900
47	Viriden silt loam	0-2	200	83	Wabash silty clay	0-2	3,500
48	Ebbert silt loam	0-2	12,700	87	Dickinson sandy loam	0-2	600
50	Viriden silty clay loam	0-2	31,300	88	Hagener loamy sand	2-7	1,900
65	Illio polis silty clay loam	0-2	500	112	Cowden silt loam	0-2	5,500
70	Beaucoup silty clay loam	0-2	2,300	112-O	Cowden-Piasa complex	0-2	18,400
112	Cowden silt loam	0-2	7,700	161	Newart silt loam	2-4	600
165	Weir silt loam	0-2	5,800	162	Gorham silty clay loam	0-2	12,300
474	Piasa silt loam	0-2	5,200	165	Weir silt loam	0-2	3,100
	Total		65,700	287	Chauncey silt loam	2-4	500
	Percent of county		12	338	Hurst silt loam	0-2	2,300
Medium potential for nitrogen loss				474	Piasa silt loam	0-4	1,400
16	Rushville silt loam	0-2	1,300		Total		67,700
17	Keomah silt loam	0-4	15,800		Percent of county		17
43	Ipava silt loam	0-2	18,700	Medium potential for nitrogen loss			
46	Herrick silt loam	0-4	151,700	5	Blair silt loam	7-12	100
74	Radford silt loam	0-2	1,300	17	Keomah silt loam	2-4	400
113	Oconee silt loam	0-7	5,700	43	Ipava silt loam	0-2	10,700
132	Starks silt loam	0-4	2,000	46	Herrick silt loam	0-4	12,000
164	Stoy silt loam	0-7	18,100	46-O	Herrick-Piasa complex	0-2	33,900
246	Bolivia silt loam	2-4	2,800	81	Littleton silt loam	0-2	100
257	Clarksdale silt loam	0-2	12,300	113	Oconee silt loam	0-7	6,900
258	Sicily silt loam	0-12	26,900	113-6	Oconee-Huey complex	2-4	1,900
331	Haymond silt loam	0-2	700	113-V	Oconee-Tamalco complex	2-4	4,200
333	Wakeland silt loam	0-4	1,600	122	Colp silt loam	2-4	700
451	Lawson silt loam	0-4	23,200	132	Starks silt loam	0-2	200
586	Nokomis loam	0-4	1,500	164	Stoy silt loam	0-4	13,300
	Total		283,600	246	Bolivia silt loam	0-4	6,200
	Percent of county		52	257	Clarksdale silt loam	0-2	10,800
Low potential for nitrogen loss				258	Sicily silt loam	0-12	25,800
8	Hickory loam	4-60	89,000	304	Landes fine sandy loam	0-7	7,100
18	Clinton silt loam	2-18	41,000	331	Haymond silt loam	0-4	4,100
77	Huntsville silt loam	0-4	8,600	333	Wakeland silt loam	0-4	5,600
127	Harrison silt loam	0-7	26,100	451	Lawson silt loam	0-4	31,100
128	Douglas silt loam	2-4	300	452	Riley silty clay loam	0-2	6,300
134	Camden silt loam	2-7	1,100	454	Iva silt loam	0-2	600
214	Hosmer silt loam	2-60	24,100	581	Tamalco silt loam	0-4	1,300
243	St. Charles silt loam	2-4	500	586	Nokomis loam	0-4	300
250	Velma loam	4-12	2,700		Total		183,100
	Total		193,400		Percent of county		46
	Percent of county		36	Low potential for nitrogen loss			
				8	Hickory loam	4-60	21,500
				8-I	Hickory-Walshville complex	12-30	500

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
8-T	Hickory-Hennepin complex	7-30	8,300	MARSHALL COUNTY			
18	Clinton silt loam	2-18	6,800	243,400 Total acres studied			
35	Bold silt loam	7-60	7,600	High potential for nitrogen loss			
80	Alexis silt loam	0-2	1,400	31	Levan loamy fine sand	0-2	200
127	Harrison silt loam	0-7	3,300	45	Denny silt loam	0-2	200
128	Douglas silt loam	2-7	1,400	67	Harpster silty clay loam	0-2	1,400
214	Hosmer silt loam	2-12	24,600	68	Sable silty clay loam	0-2	15,100
247	Tovey silt loam	2-7	2,000	87	Dickinson sandy loam	2-4	1,100
250	Velma loam	7-18	2,200	92	Sarpy sand	0-2	100
250-I	Velma-Walshville complex	4-7	1,000	107	Sawmill silty clay loam	0-2	200
279	Rozetta silt loam	2-7	1,600	152	Drummer silty clay loam	0-2	8,800
280	Fayette silt loam	2-60	13,600	238-A	Rantoul silty clay, wet	0-2	100
308	Alford silt loam	2-30	34,500	347	Harpster loam	0-2	1,700
453	Muren silt loam	0-12	12,400	435	Streator silty clay loam	0-2	3,700
583	Pike silt loam	2-12	2,800				
Total			145,500	Total			32,600
Percent of county			37	Percent of county			13
MARION COUNTY				Medium potential for nitrogen loss			
349,400 Total acres studied				23	Blount silt loam	2-18	3,300
High potential for nitrogen loss				41	Muscatine silt loam	0-4	22,700
2	Cisne silt loam	0-4	98,600	61	Atterberry silt loam	0-2	100
9	Sandstone rock land	4-7	100	73	Ross loam	0-2	4,900
12	Wynoose silt loam	0-4	23,700	78	Arenzville silt loam	0-2	200
108	Bonnie silt loam	0-2	6,100	79	Volinia silt loam	2-4	300
108-A	Bonnie silt loam, wet	0-2	3,700	81	Littleton silt loam	0-4	200
120	Huey silt loam	0-7	8,900	93	Rodman gravelly loam	4-60	100
287	Chauncey silt loam	0-2	1,300	146	Elliott silt loam	0-7	2,200
Total			142,400	154	Flanagan silt loam	0-4	12,400
Percent of county			41	198	Elburn silt loam	0-2	400
Medium potential for nitrogen loss				219	Millbrook silt loam	0-4	200
3	Hoyleton silt loam	0-7	32,200	278	Stronghurst silt loam	0-7	1,200
5	Blair silt loam	2-30	38,400	318	Lorenzo silt loam	2-7	500
6	Fishhook silt loam	4-7	100	321	DuPage silt loam	0-4	2,200
13	Bluford silt loam	0-12	37,400	375	Rutland silt loam	0-4	6,100
72	Sharon silt loam	0-2	1,700	398	Wea silt loam	2-4	500
382	Belknap silt loam	0-4	36,700	451	Lawson silt loam	0-2	2,300
581	Tamalco silt loam	0-7	7,700	531	Markham silt loam	2-18	2,500
Total			154,200	Total			62,300
Percent of county			44	Percent of county			26
Low potential for nitrogen loss				Low potential for nitrogen loss			
8	Hickory loam	2-60	31,800	24	Dodge silt loam	0-18	4,800
14	Ava silt loam	2-12	11,800	25	Hennepin loam	4-60	23,900
250	Velma loam	2-12	6,500	36	Tama silt loam	2-7	26,600
425	Muskingum stony silt loam	18-60	2,700	37	Worthen silt loam	0-18	2,000
Total			52,800	60	LaRose silt loam	4-18	1,700
Percent of county			15	75	Drury silt loam	2-4	300
				80	Alexis silt loam	0-2	3,700
				134	Camden silt loam	0-7	2,500
				137	Ellison silt loam	0-7	900
				145	Saybrook silt loam	2-12	7,200
				148	Proctor silt loam	0-2	3,300

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil num- ber		Slope range, percent	Esti- mated acres		Soil num- ber		Slope range, percent	Esti- mated acres
	Soil name					Soil name		
171	Catlin silt loam	2-7	30,300		347	Harpster loam	0-2	3,400
194	Morley silt loam	7-30	1,100		455-A	Mixed alluvial land, wet	0-2	19,800
199	Plano silt loam	4-7	300		653	Milroy silt loam	0-2	200
204	Ayr sandy loam	2-4	100					
223	Varna silt loam	4-12	1,600			Total		210,000
224	Strawn silt loam	2-30	5,700			Percent of county		63
233	Birkbeck silt loam	2-12	2,200					
279	Rozetta silt loam	0-4	6,700			Medium potential for nitrogen loss		
280	Fayette silt loam	2-12	16,200					
327	Fox silt loam	2-7	800		41	Muscatine silt loam	0-2	1,300
385	Atlanta silt loam	2-7	900		43	Ipava silt loam	0-2	4,500
386	Downs silt loam	2-7	3,200		98	Ade loamy fine sand	0-18	16,400
388	Wenona silt loam	2-7	2,500		102	LaHogue loam	0-2	200
					131	Alvin fine sandy loam	0-30	1,200
					149	Brenton silt loam	0-2	500
					198	Elburn silt loam	0-2	2,200
					246	Pelvia silt loam	0-7	8,600
		Total	148,500					
	Percent of county		61					

MASON COUNTY

330,900 Total acres studied

High potential for nitrogen loss

31	Levan loamy fine sand	0-18	8,100
45	Denny silt loam	0-2	4,500
53	Bloomfield fine sand	0-60	15,600
54	Plainfield sand	0-60	26,700
65	Illiopoli silty clay loam	0-2	3,000
67	Harpster silty clay loam	0-2	7,000
70	Beaucoup silty clay loam	0-4	4,000
71	Darwin silty clay	0-2	300
87	Dickinson sandy loam	0-12	34,200
88	Hagener loamy sand	0-18	8,700
89	Maumee fine sandy loam	0-2	3,900
103	Houghton muck	0-2	7,300
107	Sawmill silty clay loam	0-2	500
107-A	Sawmill silty clay loam, wet	0-2	300
125	Selma loam	0-2	2,300
130	Pittwood fine sandy loam	0-2	1,600
152	Drummer silty clay loam	0-2	4,000
153	Pella silty clay loam	0-2	700
162	Gorham silty clay loam	0-2	300
172	Hoopeston sandy loam	0-2	3,300
175	Lamont fine sandy loam	0-30	1,300
187	Milroy sandy loam	0-2	6,000
196	Harpster fine sandy loam	0-2	400
200	Orio sandy loam	0-2	12,800
202	Biggs sandy loam	0-2	800
206	Thorp silt loam	0-2	3,700
206-A	Thorp silt loam, wet	0-2	1,500
210	Lena muck	0-2	1,100
270	Oquawka sand	0-30	10,100
272	Edgington silt loam	0-2	3,100
284	Tice silty clay loam	0-4	7,300
330	Peotone silty clay loam	0-2	100
331-A	Haymond silty loam, wet	0-2	1,000
333	Wakeland silt loam	0-7	1,100

Medium potential for nitrogen loss

41	Muscataine silt loam	0-2	1,300
43	Ipava silt loam	0-2	4,500
98	Ade loamy fine sand	0-18	16,400
102	LaHogue loam	0-2	200
131	Alvin fine sandy loam	0-30	1,200
149	Brenton silt loam	0-2	500
198	Elburn silt loam	0-2	2,200
246	Bolivia silt loam	0-7	8,600
451	Lawson silt loam	0-4	800
452	Riley silty clay loam	0-2	400
772	Pittwood clay loam	0-2	21,900

Total	58,000
-------	--------

Percent of county 18

Low potential for nitrogen loss

19	Sylvan silt loam	12-60	1,800
30	Hamburg silt	7-12	100
34	Tallula silt loam	4-18	2,600
36	Tama silt loam	0-18	12,700
80	Alexis silt loam	0-7	1,800
148	Proctor silt loam	0-4	3,000
150	Onarga sandy loam	0-12	12,000
151	Ridgeville fine sandy loam	0-4	4,300
156	Ridgeville sandy loam	0-4	1,000
190	Onarga fine sandy loam	0-12	11,200
199	Plano silt loam	0-4	1,100
280	Fayette silt loam	7-30	3,800
281	Hopper silt loam	18-30	200
359	Epworth fine sandy loam	0-2	1,200
635	Onarga loam	0-4	6,100

Total	62,900
-------	--------

Percent of county 19

MASSAC COUNTY

146,000 Total acres studied

High potential for nitrogen loss

70	Beaucoup silty clay loam	0-2	1,500
84	Okaw silt loam	0-2	100
108	Bonnie silt loam	0-2	11,200
108-A	Bonnie silt loam, wet	0-2	1,100
109	Racoon silt loam	0-2	100
165	Weir silt loam	0-2	1,200
284	Tice silty clay loam	0-4	1,800
288	Petrolia silty clay loam	0-2	2,100
420	Piopolis silty clay loam	0-2	4,400

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
420-A	Piopolis silty clay loam, wet	0-2	1,200	43	Ipava silt loam	0-4	112,500
422	Cape silty clay loam	0-2	1,600	46	Herrick silt loam	0-4	800
422-A	Cape silty clay loam, wet	0-2	1,500	61	Atterberry silt loam	0-2	500
426	Karnak silty clay	0-2	500	246	Bolivia silt loam	0-12	38,700
426-A	Karnak silty clay, wet	0-2	1,000	257	Clarksdale silt loam	0-7	6,800
455	Mixed alluvial land	0-2	1,100	258	Sicily silt loam	2-12	6,100
460	Ginat silt loam	0-2	9,200	278	Stronghurst silt loam	0-2	100
Total			39,600	333	Wakeland silt loam	0-2	4,100
Percent of county			27	451	Lawson silt loam	0-2	14,500
Medium potential for nitrogen loss				470	Keller silt loam	4-12	6,900
72	Sharon silt loam	0-2	2,700	660	Coatsburg silt loam	7-18	1,000
131	Alvin fine sandy loam	0-18	600	Total			221,000
164	Stoy silt loam	0-7	5,200	Percent of county			62
304	Landes fine sandy loam	2-4	100	Low potential for nitrogen loss			
306	Allison silty clay loam	0-12	3,200	8	Hickory loam	7-60	24,300
382	Belknap silt loam	0-4	12,200	18	Clinton silt loam	2-30	28,200
427	Burnside silt loam	2-4	1,100	36	Tama silt loam	2-12	4,400
461	Weinbach silt loam	0-7	4,800	247	Tovey silt loam	2-12	2,500
462	Sciotoville silt loam	0-12	3,000	250	Velma loam	4-18	3,200
Total			32,900	259	Assumption silt loam	2-12	800
Percent of county			23	279	Rozetta silt loam	2-12	1,000
Low potential for nitrogen loss				386	Downs silt loam	2-7	600
214	Hosmer silt loam	0-60	49,700	640	Shallow to shale	12-18	300
215	Wartrace silt loam	2-30	16,700	Total			65,300
339	Wellston silt loam	12-30	300	Percent of county			19
340	Zanesville silt loam	18-60	200	MC HENRY COUNTY			
425	Muskingum stony silt loam	30-60	600	356,000 Total acres studied			
463	Wheeling silt loam	0-30	3,300	High potential for nitrogen loss			
628	Brandon silt loam	7-60	2,700	67	Harpster silty clay loam	0-2	7,300
Total			73,500	76-A	Otter silt loam, wet	0-2	200
Percent of county			50	82-A	Millington loam, wet	0-2	3,000
MC DONOUGH COUNTY				87	Dickinson sandy loam	2-18	200
354,200 Total acres studied				97	Houghton peat	0-2	3,600
High potential for nitrogen loss				103	Houghton muck	0-2	19,600
45	Denny silt loam	0-2	3,200	125	Selma loam	0-2	1,000
47	Viriden silt loam	0-2	4,700	152	Drummer silty clay loam	0-2	37,400
65	Illioopolis silty clay loam	0-2	49,900	206	Thorp silt loam	0-2	1,200
68	Sable silty clay loam	0-2	9,300	210	Lena muck	0-12	3,100
334	Birds silt loam	0-2	800	232	Ashkum silt clay loam	0-2	1,900
Total			67,900	292	Wallkill silt loam	0-2	400
Percent of county			19	296	Washtenaw silt loam	0-2	300
Medium potential for nitrogen loss				329	Will silty clay loam	0-2	2,900
5	Blair silt loam	7-12	400	330	Peotone silty clay loam	0-2	2,000
7	Atlas silt loam	12-18	100	347	Harpster loam	0-2	7,000
17	Keomah silt loam	0-7	8,200	Total			91,100
41	Muscatine silt loam	0-2	20,300	Percent of county			26
Medium potential for nitrogen loss				Medium potential for nitrogen loss			
23	Blount silt loam	0-7	1,100	23	Blount silt loam	0-7	1,100
59	Lisbon silt loam	0-4	10,400	59	Lisbon silt loam	0-4	10,400

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
62	Herbert silt loam	0-4	1,500	MC LEAN COUNTY			
76	Otter silt loam	0-2	7,500	720,800 Total acres studied			
79	Volinia silt loam	0-2	2,800	High potential for nitrogen loss			
82	Millington loam	0-2	2,400	45	Denny silt loam	0-2	2,700
93	Rodman gravelly loam	2-30	1,500	67	Harpster silty clay loam	0-2	1,400
93-3	Rodman-Lorenzo complex	4-30	700	68	Sable silty clay loam	0-2	43,500
93-4	Rodman-Casco complex	7-30	1,900	107	Sawmill silty clay loam	0-2	8,700
102	LaHogue loam	0-4	2,500	152	Drummer silty clay loam	0-2	108,800
104	Virgil silt loam	0-4	2,100	206	Thorp silt loam	0-2	5,900
132	Starks silt loam	0-2	1,200	232	Ashkum silt clay loam	0-2	4,700
144	Alvin sandy loam	2-18	1,100	330	Peotone silty clay loam	0-2	1,300
146	Elliott silt loam	2-7	1,600	400	Calco silty clay loam	0-2	900
149	Brenton silt loam	0-4	9,500	594	Reddick silty clay loam	0-2	4,300
197	Troxel silt loam	0-2	2,100	633	Traer silt loam	0-2	100
198	Elburn silt loam	0-7	5,000	Total			
219	Millbrook silt loam	0-4	3,300	182,300			
265	Lomax loam	0-7	1,400	Percent of county			
298	Beecher silt loam	2-7	500	25			
318	Lorenzo silt loam	0-12	2,300	Medium potential for nitrogen loss			
342	Matherton silt loam	4-7	100	41	Muscatine silt loam	0-4	81,100
343	Kane silt loam	0-4	5,700	59	Lisbon silt loam	0-4	20,900
348	Wingate silt loam	0-4	2,100	61	Atterberry silt loam	0-2	7,700
353	Toronto silt loam	0-4	1,400	74	Radford silt loam	0-2	10,900
364	Pistakee silt loam	0-2	1,100	146	Elliott silt loam	0-7	18,700
Total			72,800	149	Brenton silt loam	0-2	2,700
Percent of county			20	154	Flanagan silt loam	0-4	77,300
Low potential for nitrogen loss				198	Elburn silt loam	0-2	7,500
24	Dodge silt loam	0-7	22,500	219	Millbrook silt loam	0-2	700
25	Hennepin loam	12-30	600	234	Sunbury silt loam	2-4	1,100
57	Montmorenci silt loam	2-7	1,800	236	Sabina silt loam	0-4	2,000
60	LaRose silt loam	4-12	5,900	278	Stronghurst silt loam	0-4	3,900
134	Camden silt loam	0-12	4,500	293	Andres silt loam	0-4	9,800
137	Ellison silt loam	4-12	200	304	Landes fine sandy loam	2-4	100
145	Saybrook silt loam	0-7	18,800	451	Lawson silt loam	0-2	4,300
148	Proctor silt loam	0-7	7,200	Total			
150	Onarga sandy loam	4-7	100	248,700			
194	Morley silt loam	4-30	3,700	Percent of county			
223	Varna silt loam	4-12	1,000	35			
224	Strawn silt loam	2-18	18,000	Low potential for nitrogen loss			
290	Warsaw silt loam	0-12	8,400	24	Dodge silt loam	4-18	4,500
291	Xenia silt loam	0-7	7,400	25	Hennepin loam	7-60	1,900
297	Ringwood silt loam	0-7	18,700	27	Miami silt loam	7-18	500
299	Nippersink silt loam	2-7	3,600	36	Tama silt loam	0-7	64,000
310	McHenry silt loam	0-12	12,700	55	Sidell silt loam	7-12	400
322	Russell silt loam	4-12	1,400	57	Montmorenci silt loam	2-4	700
323	Casco silt loam	2-30	8,900	60	LaRose silt loam	2-18	27,400
323-5	Casco-Fox complex	4-18	3,700	80	Alexis silt loam	2-7	400
325	Dresden silt loam	0-12	2,800	134	Camden silt loam	2-4	400
327	Fox silt loam	0-60	14,200	145	Saybrook silt loam	2-12	57,800
344	Harvard silt loam	0-4	3,000	148	Proctor silt loam	0-7	5,000
346	Dowagiac silt loam	0-4	800	155	Stockland loam	2-18	3,400
361	Lapeer loam	2-30	18,000	171	Catlin silt loam	0-12	70,100
363	Griswold loam	2-18	4,200	199	Plano silt loam	0-4	16,400
Total			192,100	221	Parr silt loam	2-12	1,900
Percent of county			54				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
223	Varna silt loam	2-7	6,100	30	Hamburg silt	4-60	400
224	Strawn silt loam	12-60	3,100	34	Tallula silt loam	4-18	4,100
233	Birkbeck silt loam	0-12	10,000	34-K	Tallula-Bold complex	4-18	1,700
279	Rozetta silt loam	0-7	4,200	36	Tama silt loam	2-12	11,500
280	Fayette silt loam	2-12	2,300	77	Huntsville silt loam	0-2	300
294	Symerton silt loam	0-7	7,300	80	Alexis silt loam	0-7	1,800
322	Russell silt loam	2-18	2,000	134	Camden silt loam	0-30	1,700
				283	Clary silt loam	2-4	2,400
				359	Epworth fine sandy loam	2-12	1,100
				684	Broadwell silt loam	0-12	6,900
				685	Middletown silt loam	0-7	3,600

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
30	Hamburg silt	30-60	700	46	Herrick silt loam	0-4	300
36	Tama silt loam	0-18	55,200	72	Sharon silt loam	0-2	400
37	Worthen silt loam	0-12	4,200	74	Radford silt loam	0-2	800
75	Drury silt loam	4-7	100	78	Arenzville silt loam	0-2	1,100
77	Huntsville silt loam	0-2	7,700	113	Oconee silt loam	0-7	2,800
134	Camden silt loam	7-30	700	122	Colp silt loam	2-18	300
250	Velma loam	7-30	11,900	131	Alvin fine sandy loam	7-12	100
259	Assumption silt loam	12-18	1,500	164	Stoy silt loam	0-12	21,000
263	Fall silt loam	0-4	3,200	304	Landes fine sandy loam	0-12	11,700
268	Mt. Carroll silt loam	0-7	6,400	331	Haymond silt loam	0-2	2,400
273	Decorra silt loam	2-18	1,300	333	Wakeland silt loam	0-4	9,200
274	Seaton silt loam	2-30	6,200	382	Belknap silt loam	0-4	8,500
275	Joy silt loam	0-2	6,000	427	Burnside silt loam	0-4	200
277	Port Byron silt loam	0-12	9,600	451	Lawson silt loam	0-2	1,000
279	Rozetta silt loam	2-12	5,600	452	Riley silty clay loam	0-7	11,900
280	Fayette silt loam	0-30	17,100	454	Iva silt loam	0-12	2,300
280-F	Fayette-Hickory complex	12-30	12,000	581	Tamalco silt loam	0-7	1,200
386	Downs silt loam	2-18	19,500				
564	Ustick silt loam	7-12	2,800			Total	78,200
640	Shallow to shale	7-30	3,300			Percent of county	33
		Total	184,900				
		Percent of county	55				
MONROE COUNTY							
237,900 Total acres studied							
					Low potential for nitrogen loss		
				8	Hickory loam	7-60	14,900
				30	Hamburg silt	18-60	800
				37	Worthen silt loam	2-7	200
				75	Drury silt loam	0-18	1,300
				77	Huntsville silt loam	0-4	800
				94	Limestone rock land	30-60	800
				214	Hosmer silt loam	0-60	26,400
				308	Alford silt loam	0-60	51,700
				339	Wellston silt loam	30-60	100
				453	Muren silt loam	0-30	9,300
						Total	106,300
						Percent of county	45
					High potential for nitrogen loss		
9	Sandstone rock land	18-60	700	2	Cisne silt loam	0-4	4,400
70	Beaucoup silty clay loam	0-2	100	48	Ebbert silt loam	0-2	5,400
71	Darwin silty clay	0-2	10,900	50	Virden silty clay loam	0-2	34,300
83	Wabash silty clay	0-2	900	65	Illipolis silty clay loam	0-2	1,900
84	Okaw silt loam	0-7	2,000	112	Cowden silt loam	0-2	18,300
108-A	Bonnie silt loam, wet	0-2	500	112-O	Cowden-Piasa complex	0-2	5,200
112	Cowden silt loam	0-2	3,000	120	Huey silt loam	0-2	2,200
125	Selma loam	0-7	400	138	Shiloh silty clay loam	0-2	100
161	Newart silt loam	0-4	2,100	165	Weir silt loam	0-2	2,300
162	Gorham silty clay loam	0-7	3,400	252	Harvel silty clay loam	0-2	1,200
165	Weir silt loam	0-4	4,300	287	Chauncey silt loam	0-4	1,700
284	Tice silty clay loam	0-2	200	474	Piasa silt loam	0-4	15,600
287	Chauncey silt loam	0-2	500	474-U	Piasa-Cowden complex	0-2	2,200
334-A	Birds silt loam, wet	0-2	1,100				
338	Hurst silt loam	0-18	2,600			Total	94,800
382-A	Belknap silt loam, wet	0-2	1,600			Percent of county	21
455	Mixed alluvial land	0-2	6,300				
474	Piasa silt loam	0-4	500				
589	Bowdre silty clay	0-7	3,300				
589-A	Bowdre silty clay, wet	0-2	1,000				
590	Cairo silty clay	0-7	8,000				
		Total	53,400				
		Percent of county	22				
					Medium potential for nitrogen loss		
5	Blair silt loam	7-30	2,200				
28	Jules silt loam	0-2	800				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres
Medium potential for nitrogen loss			
3	Hoyleton silt loam	0-7	6,100
5	Blair silt loam	4-12	1,000
13	Bluford silt loam	0-4	1,300
43	Ipava silt loam	0-4	7,000
46	Herrick silt loam	0-4	62,900
46-O	Herrick-Piasa complex	0-2	27,300
74	Radford silt loam	0-2	6,300
113	Oconee silt loam	0-12	31,200
113-V	Oconee-Tamalco complex	0-7	3,500
132	Starks silt loam	0-2	400
164	Stoy silt loam	0-12	24,000
246	Bolivia silt loam	2-4	1,500
257	Clarksdale silt loam	0-4	4,800
333	Wakeland silt loam	0-4	3,100
451	Lawson silt loam	0-4	26,300
581	Tamalco silt loam	0-7	9,700
584	Walshville loam	2-12	700
585	Negley loam	2-18	2,100
586	Nokomis loam	0-4	1,800
Total			221,000
Percent of county			51
Low potential for nitrogen loss			
8	Hickory loam	4-60	50,800
8-E	Hickory-Hosmer complex	4-7	300
8-T	Hickory-Hennepin complex	18-30	7,900
127	Harrison silt loam	0-7	17,500
128	Douglas silt loam	2-7	700
214	Hosmer silt loam	2-12	20,400
247	Tovey silt loam	2-4	1,000
250	Velma loam	4-12	11,000
250-I	Velma-Walshville complex	4-12	1,300
256	Pana silt loam	4-12	900
583	Pike silt loam	2-18	8,600
Total			120,400
Percent of county			28

Soil number	Soil name	Slope range, percent	Estimated acres
Medium potential for nitrogen loss			
17	Keomah silt loam	0-4	7,100
28	Jules silt loam	0-2	700
43	Ipava silt loam	0-2	56,400
61	Atterberry silt loam	0-4	500
74	Radford silt loam	0-2	1,300
78	Arenzville silt loam	0-2	900
81	Littleton silt loam	0-2	100
246	Bolivia silt loam	0-7	40,500
257	Clarksdale silt loam	0-4	7,800
258	Sicily silt loam	2-18	34,100
278	Stronghurst silt loam	0-4	200
451	Lawson silt loam	0-2	11,700
Total			161,300
Percent of county			47
Low potential for nitrogen loss			
8	Hickory loam	7-60	25,500
8-T	Hickory-Hennepin complex	18-60	3,700
18	Clinton silt loam	0-7	27,400
19	Sylvan silt loam	4-60	34,300
19-K	Sylvan-Bold complex	12-18	600
30	Hamburg silt	4-18	600
34	Tallula silt loam	4-7	700
35	Bold silt loam	12-60	2,200
37	Worthen silt loam	0-4	2,000
39	Oakford silt loam	0-7	500
134	Camden silt loam	2-12	700
151	Ridgeville fine sandy loam	0-2	2,800
247	Tovey silt loam	4-7	3,200
280	Fayette silt loam	2-30	3,100
283	Clary silt loam	2-30	14,100
Total			121,400
Percent of county			35

MOULTRIE COUNTY

MORGAN COUNTY

342,500 Total acres studied

High potential for nitrogen loss			
16	Rushville silt loam	0-2	600
45	Denny silt loam	0-2	400
65	Illiopoli silty clay loam	0-2	45,700
67	Harpster silty clay loam	0-2	2,000
87	Dickinson sandy loam	0-2	100
107	Sawmill silty clay loam	0-2	10,400
249	Edinburg silty clay loam	0-2	300
282	Chute fine sand	12-18	300
Total			59,800
Percent of county			18

MOULTRIE COUNTY

213,100 Total acres studied

High potential for nitrogen loss			
25	Hennepin loam	0-2	400
67	Harpster silty clay loam	0-2	1,300
107	Sawmill silty clay loam	0-2	2,100
152	Drummer silty clay loam	0-2	69,800
153	Pella silty clay loam	0-2	4,400
206	Thorp silt loam	0-2	400
207	Ward silt loam	0-2	200
330	Peotone silty clay loam	0-2	500
332	Billet sandy loam	4-7	200
Total			79,300
Percent of county			37

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Medium potential for nitrogen loss				Medium potential for nitrogen loss			
132	Starks silt loam	0-2	100	41	Muscatine silt loam	0-4	5,900
154	Flanagan silt loam	0-4	82,800	59	Lisbon silt loam	0-2	200
234	Sunbury silt loam	0-4	5,800	61	Atterberry silt loam	0-4	2,300
236	Sabina silt loam	0-4	10,500	73	Ross loam	0-2	3,000
348	Wingate silt loam	4-7	100	74	Radford silt loam	0-2	15,300
353	Toronto silt loam	0-4	200	76	Otter silt loam	0-2	2,900
451	Lawson silt loam	0-2	6,800	93	Rodman gravelly loam	7-30	800
496	Fincastle silt loam	0-4	300	132	Starks silt loam	0-2	300
				146	Elliott silt loam	2-7	200
	Total		106,600	149	Brenton silt loam	0-4	12,200
	Percent of county		50	154	Flanagan silt loam	0-4	5,900
				198	Elburn silt loam	0-4	7,500
Low potential for nitrogen loss				219	Millbrook silt loam	2-4	400
25	Hennepin loam	18-60	500	236	Sabina silt loam	2-4	600
27	Miami silt loam	12-18	100	278	Stronghurst silt loam	0-2	700
55	Sidell silt loam	4-7	900	293	Andres silt loam	0-4	400
56	Dana silt loam	2-4	900	318	Lorenzo silt loam	7-12	2,600
60	LaRose silt loam	4-12	200	328	Cullo silt loam	0-2	400
77	Huntsville silt loam	0-2	400	398	Wea silt loam	4-12	300
134	Camden silt loam	0-7	1,400	415	Orion silt loam	0-2	100
171	Catlin silt loam	2-7	2,000	451	Lawson silt loam	0-4	16,000
209	Ellison sandy loam	2-30	800	470	Keller silt loam	4-7	1,000
224	Strawn silt loam	2-60	8,400	504	Sogn silt loam	7-60	3,400
233	Birkbeck silt loam	2-7	6,400				
291	Xenia silt loam	2-7	900		Total		82,400
322	Russell silt loam	2-60	3,700		Percent of county		18
497	Mellott silt loam	2-7	600				
	Total		27,200	Low potential for nitrogen loss			
	Percent of county		13	21	Pecatonica silt loam	2-12	11,700
OGLE COUNTY				22	Westville silt loam	4-18	4,200
468,400 Total acres studied				24	Dodge silt loam	2-18	9,300
High potential for nitrogen loss				25	Hennepin loam	12-18	1,100
9	Sandstone rock land	30-60	2,600	27	Miami silt loam	2-18	5,500
67	Harpster silty clay loam	0-2	400	29	Dubuque silt loam	4-30	12,600
68	Sable silty clay loam	0-2	400	36	Tama silt loam	0-12	80,100
87	Dickinson sandy loam	0-7	7,700	40	Dodgeville silt loam	0-2	900
90	Plainfield fine sand	7-60	500	55	Sidell silt loam	0-12	8,000
103	Houghton muck	0-2	100	56	Dana silt loam	4-12	500
107	Sawmill silty clay loam	0-2	7,700	57	Montmorenci silt loam	2-12	1,700
107-A	Sawmill silty clay loam, wet	0-2	500	60	LaRose silt loam	4-12	400
152	Drummer silty clay loam	0-2	20,900	77	Huntsville silt loam	0-2	1,900
175	Lamont fine sandy loam	2-7	700	80	Alexis silt loam	0-7	2,700
206	Thorp silt loam	0-2	700	134	Camden silt loam	2-7	2,200
330	Peotone silty clay loam	0-2	400	145	Saybrook silt loam	0-12	23,400
347	Harpster loam	0-2	5,200	148	Proctor silt loam	0-7	13,400
397	Boone loamy fine sand	4-30	800	159	Pilot silt loam	0-4	1,600
594	Reddick silty clay loam	0-2	1,500	171	Catlin silt loam	0-12	20,300
651	Selma silt loam	0-2	900	190	Onarga fine sandy loam	0-7	300
	Total		51,000	194	Morley silt loam	4-12	1,300
	Percent of county		11	199	Plano silt loam	0-4	1,800
				224	Strawn silt loam	4-30	5,600
				227	Argyle silt loam	2-18	5,300
				233	Birkbeck silt loam	2-12	10,000
				243	St. Charles silt loam	2-7	3,000
				279	Rozetta silt loam	0-4	3,800

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres
280	Fayette silt loam	2-12	3,600
290	Warsaw silt loam	2-12	900
294	Symerton silt loam	2-12	5,400
297	Ringwood silt loam	4-18	600
299	Nippersink silt loam	4-12	800
322	Russell silt loam	2-12	4,900
323	Casco silt loam	4-18	1,900
327	Fox silt loam	7-12	400
344	Harvard silt loam	2-4	600
361	Lapeer loam	4-18	700
363	Griswold loam	7-12	400
385	Atlanta silt loam	2-12	10,400
386	Downs silt loam	0-7	22,700
410	Woodbine silt loam	2-18	5,800
411	Ashdale silt loam	4-7	1,800
412	Ogle silt loam	2-7	5,000
413	Gale silt loam	12-18	100
414	Myrtle silt loam	2-12	8,900
416	Durand silt loam	0-7	4,600
419	Flagg silt loam	2-7	2,100
429	Palsgrove silt loam	2-12	2,400
495	Corwin silt loam	0-12	8,400
497	Mellott silt loam	4-18	4,000
506	Hitt silt loam	2-18	6,000
Total			335,000
Percent of county			71

Soil number	Soil name	Slope range, percent	Estimated acres
78	Arenzville silt loam	0-2	200
79	Volinia silt loam	0-2	3,200
81	Littleton silt loam	0-4	800
93	Rodman gravelly loam	30-60	200
119	Elco silt loam	0-30	7,600
198	Elburn silt loam	0-2	1,200
239	Dorchester silt loam	0-2	800
246	Bolivia silt loam	0-7	22,000
257	Clarksdale silt loam	0-4	16,100
258	Sicily silt loam	0-12	15,300
278	Stronghurst silt loam	0-4	600
304	Landes fine sandy loam	0-2	700
318	Lorenzo silt loam	2-30	300
451	Lawson silt loam	0-2	2,800
551	Gosport silt loam	7-60	3,600
Total			130,100
Percent of county			36
Low potential for nitrogen loss			
8	Hickory loam	7-60	17,200
8-M	Hickory-Sylvan complex	12-30	500
8-W	Hickory-Gosport complex	18-60	12,400
18	Clinton silt loam	0-60	42,600
19	Sylvan silt loam	7-30	21,300
24	Dodge silt loam	7-12	3,700
25	Hennepin loam	12-60	14,100

PEORIA COUNTY

362,800 Total acres studied

High potential for nitrogen loss

16	Rushville silt loam	0-2	1,000
45	Denny silt loam	0-2	500
54	Plainfield sand	30-60	100
65	Illiopolis silty clay loam	0-2	11,900
68	Sable silty clay loam	0-2	7,400
71-A	Darwin silty clay, wet	0-2	4,500
92	Sarpy sand	0-2	200
107	Sawmill silty clay loam	0-2	1,600
152	Drummer silty clay loam	0-2	6,400
161	Newart silt loam	0-4	1,500
175	Lamont fine sandy loam	7-30	100
206	Thorp silt loam	0-2	100
329	Will silty clay loam	0-2	1,200
633	Traer silt loam	0-2	700
Total			37,200
Percent of county			10

Medium potential for nitrogen loss

17	Keomah silt loam	0-4	16,400
41	Muscatine silt loam	0-4	6,100
43	Ipava silt loam	0-4	28,300
61	Atterberry silt loam	0-4	600
73	Ross loam	0-2	1,300
74	Radford silt loam	0-2	1,600
76	Otter silt loam	0-2	400

Low potential for nitrogen loss

8	Hickory loam	7-60	17,200
8-M	Hickory-Sylvan complex	12-30	500
8-W	Hickory-Gosport complex	18-60	12,400
18	Clinton silt loam	0-60	42,600
19	Sylvan silt loam	7-30	21,300
24	Dodge silt loam	7-12	3,700
25	Hennepin loam	12-60	14,100
36	Tama silt loam	2-12	16,000
37	Worthen silt loam	0-7	300
57	Montmorenci silt loam	7-12	100
60	LaRose silt loam	4-12	300
75	Drury silt loam	4-7	100
105	Batavia silt loam	0-2	800
134	Camden silt loam	2-18	1,200
145	Saybrook silt loam	7-12	300
148	Proctor silt loam	0-2	800
150	Onarga sandy loam	0-7	5,400
171	Catlin silt loam	4-12	4,400
224	Strawn silt loam	4-18	3,100
233	Birkbeck silt loam	4-12	1,200
243	St. Charles silt loam	2-18	900
247	Tovey silt loam	2-12	6,200
253	Stonington loam	7-60	600
259	Assumption silt loam	7-18	1,000
271	Timula silt loam	18-30	900
279	Rozetta silt loam	2-7	6,400
280	Fayette silt loam	2-12	4,600
283	Clary silt loam	2-18	15,100
290	Warsaw silt loam	0-7	2,400
311	Ritchey silt loam	7-12	100
344	Harvard silt loam	2-4	200
385	Atlanta silt loam	7-12	200
386	Downs silt loam	2-7	3,500
387	Ockley silt loam	4-7	100
417	Derinda silt loam	2-30	1,800
547	Eleroy silt loam	4-18	1,200
635	Onarga loam	0-4	4,500
Total			195,500
Percent of county			54

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
PERRY COUNTY				132	Starks silt loam	2-4	500
265,200 Total acres studied				146	Elliott silt loam	4-7	700
High potential for nitrogen loss				149	Brenton silt loam	0-4	1,200
2	Cisne silt loam	0-4	58,400	154	Flanagan silt loam	0-4	68,800
12	Wynoose silt loam	0-4	41,800	198	Elburn silt loam	0-4	7,400
108	Bonnie silt loam	0-2	20,700	234	Sunbury silt loam	0-4	2,800
120	Huey silt loam	0-2	100	236	Sabina silt loam	0-4	1,100
165	Weir silt loam	0-2	5,500	451	Lawson silt loam	0-2	1,300
338	Hurst silt loam	0-2	800	Total			89,100
420-A	Piopolis silty clay loam, wet	0-2	1,100	Percent of county			33
Total			128,400	Low potential for nitrogen loss			
Percent of county			48	24	Dodge silt loam	4-7	800
Medium potential for nitrogen loss				25	Hennepin loam	30-60	1,300
3	Hoyleton silt loam	0-7	12,900	55	Sidell silt loam	4-18	1,600
5	Blair silt loam	4-18	10,400	56	Dana silt loam	2-4	200
13	Bluford silt loam	0-12	38,200	57	Montmorenci silt loam	2-7	500
122	Colp silt loam	2-7	3,000	60	LaRose silt loam	4-12	2,100
164	Stoy silt loam	2-7	3,800	134	Camden silt loam	0-12	2,600
176	Marissa silt loam	0-2	800	145	Saybrook silt loam	2-7	3,300
382	Belknap silt loam	0-4	13,300	148	Proctor silt loam	0-7	1,800
581	Tamalco silt loam	0-4	200	171	Catlin silt loam	0-7	24,600
Total			82,600	199	Plano silt loam	0-4	1,700
Percent of county			31	223	Varna silt loam	2-7	1,300
Low potential for nitrogen loss				224	Strawn silt loam	4-18	5,800
8	Hickory loam	7-60	21,900	233	Birkbeck silt loam	2-7	5,000
8-D	Hickory-Ava complex	7-30	5,300	322	Russell silt loam	2-12	4,600
14	Ava silt loam	0-18	18,600	344	Harvard silt loam	2-7	100
15	Parke silt loam	4-7	200	385	Atlanta silt loam	2-4	400
214	Hosmer silt loam	2-18	8,200	Total			57,700
Total			54,200	Percent of county			21
Percent of county			21	PIKE COUNTY			
PIATT COUNTY				500,300 Total acres studied			
269,300 Total acres studied				High potential for nitrogen loss			
High potential for nitrogen loss				68	Sable silty clay loam	0-2	3,200
67	Harpster silty clay loam	0-2	10,200	70	Beaucoup silty clay loam	0-2	52,300
107-A	Sawmill silty clay loam, wet	0-2	5,600	83	Wabash silty clay	0-2	4,800
152	Drummer silty clay loam	0-2	105,300	107	Sawmill silty clay loam	0-2	6,600
206	Thorp silt loam	0-2	300	107-A	Sawmill silty clay loam, wet	0-2	1,700
208	Sexton silt loam	0-2	400	123	River wash sand and gravel	0-2	400
330	Peotone silty clay loam	0-2	700	124	Beaucoup gravelly clay loam	0-2	3,100
Total			122,500	284	Tice silty clay loam	0-2	4,000
Percent of county			46	334	Birds silt loam	0-2	800
Medium potential for nitrogen loss				Total			76,900
Medium potential for nitrogen loss				Percent of county			15
59	Lisbon silt loam	0-2	200	Medium potential for nitrogen loss			
73	Ross loam	0-2	5,100	5	Blair silt loam	2-18	4,100
				6	Fishhook silt loam	7-12	200
				17	Keomah silt loam	2-4	1,500

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
28	Jules silt loam	0-2	6,600	Medium potential for nitrogen loss			
41	Muscatine silt loam	0-4	9,100	72	Sharon silt loam	0-2	2,100
61	Atterberry silt loam	0-4	12,200	131	Alvin fine sandy loam	2-7	500
119	Elco silt loam	12-18	100	164	Stoy silt loam	2-7	1,000
246	Bolivia silt loam	2-7	700	180	Dupo silt loam	0-2	200
257	Clarksdale silt loam	0-12	11,800	184	Roby fine sandy loam	2-4	100
258	Sicily silt loam	2-4	16,800	304	Landes fine sandy loam	0-12	500
278	Stronghurst silt loam	0-4	4,200	306	Allison silty clay loam	0-12	3,100
331	Haymond silt loam	0-4	10,900	331	Haymond silt loam	0-4	1,800
333	Wakeland silt loam	0-2	28,100	382	Belknap silt loam	0-4	5,500
451	Lawson silt loam	0-4	24,100	427	Burnside silt loam	0-4	2,900
475	Elsah cherty silt loam	0-4	7,300	461	Weinbach silt loam	0-7	700
			Total	462	Sciotoville silt loam	0-18	1,600
			137,700	475	Elsah cherty silt loam	2-4	200
			Percent of county				Total
			28				20,200
Low potential for nitrogen loss				Low potential for nitrogen loss			
							Percent of county
							13
8	Hickory loam	7-18	1,200	214	Hosmer silt loam	2-30	20,100
18	Clinton silt loam	2-30	53,400	215	Wartrace silt loam	4-30	3,000
30	Hamburg silt	30-60	200	301	Grantsburg silt loam	2-30	56,200
34	Tallula silt loam	12-18	700	339	Wellston silt loam	7-30	6,500
36	Tama silt loam	2-12	21,500	339-H	Wellston-Muskingum complex	12-30	3,100
37	Worthen silt loam	4-7	200	340	Zanesville silt loam	2-30	12,800
75	Drury silt loam	2-12	5,100	425	Muskingum stony silt loam	7-60	19,600
94	Limestone rock land	18-30	1,300	463	Wheeling silt loam	2-7	100
134	Camden silt loam	7-12	1,500	472	Baylis silt loam	12-30	800
271	Timula silt loam	12-30	2,700	628	Brandon silt loam	2-30	1,000
274	Seaton silt loam	2-60	30,700				Total
279	Rozetta silt loam	0-60	27,200				123,200
280	Fayette silt loam	2-60	96,800				Percent of county
283	Clary silt loam	4-30	17,800				77
386	Downs silt loam	2-12	12,900	PULASKI COUNTY			
471	Bodine cherty silt loam	7-60	11,300	112,700 Total acres studied			
472	Baylis silt loam	12-30	1,200	High potential for nitrogen loss			
			Total	70	Beaucoup silty clay loam	0-2	1,900
			285,700	71	Darwin silty clay	0-2	1,400
			Percent of county	84	Okaw silt loam	0-2	2,800
			57	85	Jacob clay	0-4	200
POPE COUNTY				108	Bonnie silt loam	0-2	14,000
159,900 Total acres studied				108-A	Bonnie silt loam, wet	0-2	400
High potential for nitrogen loss				109	Raccoon silt loam	0-2	100
9	Sandstone rock land	30-60	1,200	178	Ruark fine sandy loam	0-2	400
70	Beaucoup silty clay loam	0-2	300	288	Petrolia silty clay loam	0-2	2,300
108	Bonnie silt loam	0-2	2,100	338	Hurst silt loam	0-7	800
108-A	Bonnie silt loam, wet	0-2	500	420	Piopolis silty clay loam	0-4	3,700
109	Raccoon silt loam	0-2	1,000	420-A	Piopolis silty clay loam, wet	0-2	1,400
180-A	Dupo silt loam, wet	0-2	1,400	422	Cape silty clay loam	0-2	5,800
284	Tice silty clay loam	0-7	4,000	426	Karnak silty clay	0-4	4,500
288	Petrolia silty clay loam	0-2	1,100	426-A	Karnak silty clay, wet	0-2	1,300
420-A	Piopolis silty clay loam, wet	0-2	1,300	455	Mixed alluvial land	0-2	700
426	Karnak silty clay	0-2	300	460	Ginat silt loam	0-2	4,600
426-A	Karnak silty clay, wet	0-2	900				Total
460	Ginat silt loam	0-2	2,400				46,200
			Total				Percent of county
			16,500				41
			Percent of county				
			10				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Medium potential for nitrogen loss				41	Muscatine silt loam	0-4	9,100
72	Sharon silt loam	0-2	400	61	Atterberry silt loam	0-4	300
131	Alvin fine sandy loam	0-7	1,100	73	Ross loam	0-2	4,300
164	Stoy silt loam	2-7	1,400	78	Arenzville silt loam	0-2	100
180	Dupo silt loam	0-2	1,000	79	Volinia silt loam	0-7	3,500
184	Roby fine sandy loam	0-4	700	81	Littleton silt loam	0-2	1,200
306	Allison silty clay loam	0-4	100	93	Rodman gravelly loam	18-60	1,200
333	Wakeland silt loam	0-2	600	131	Alvin fine sandy loam	0-30	1,000
382	Belknap silt loam	0-4	11,400	149	Brenton silt loam	0-2	300
461	Weinbach silt loam	0-12	3,600	154	Flanagan silt loam	2-4	600
462	Scioto silt loam	0-60	3,400	234	Sunbury silt loam	2-4	100
	Total		23,700	236	Sabina silt loam	0-2	100
	Percent of county		21	241	Chatsworth silt loam	30-60	300
Low potential for nitrogen loss				265	Lomax loam	0-2	300
214	Hosmer silt loam	2-30	21,800	278	Stronghurst silt loam	0-4	200
308	Alford silt loam	2-60	20,500	318	Lorenzo silt loam	0-4	700
463	Wheeling silt loam	2-18	500	321	DuPage silt loam	0-2	100
	Total		42,800	398	Wea silt loam	0-4	3,900
	Percent of county		38	451	Lawson silt loam	0-2	300
				452	Riley silty clay loam	0-2	100
					Total		28,100
					Percent of county		28

PUTNAM COUNTY

100,400 Total acres studied

High potential for nitrogen loss			
31	Levan loamy fine sand	4-7	200
45	Denny silt loam	0-2	100
53	Bloomfield fine sand	7-30	900
67	Harpster silty clay loam	0-2	300
68	Sable silty clay loam	0-2	7,800
74-A	Radford silt loam, wet	0-2	900
82-A	Millington loam, wet	0-2	1,300
87	Dickinson sandy loam	2-12	1,500
88	Hagener loamy sand	0-12	100
92	Sarpy sand	0-2	100
98	Ade loamy fine sand	4-12	400
107	Sawmill silty clay loam	0-4	3,600
152	Drummer silty clay loam	0-2	1,400
161	Newart silt loam	0-4	200
175	Lamont fine sandy loam	0-60	2,900
180-A	Dupo silt loam, wet	0-2	300
206	Thorp silt loam	0-2	100
284-A	Tice silty clay loam, wet	0-2	500
330-A	Peotone silty clay loam, wet	0-2	100
332	Billet sandy loam	2-18	800
455-A	Mixed alluvial land, wet	0-2	1,300
Total			24,800
Percent of county			25

Medium potential for nitrogen loss			
23	Blount silt loam	4-7	100
28	Jules silt loam	0-2	300

Low potential for nitrogen loss

24	Dodge silt loam	2-30	2,200
25	Hennepin loam	4-60	6,600
36	Tama silt loam	0-12	14,700
37	Worthen silt loam	0-7	600
57	Montmorenci silt loam	2-7	100
60	LaRose silt loam	7-18	200
77	Huntsville silt loam	0-2	500
137	Ellison silt loam	0-18	300
145	Saybrook silt loam	4-12	700
148	Proctor silt loam	0-7	300
150	Onarga sandy loam	0-7	500
171	Catlin silt loam	2-18	3,500
194	Morley silt loam	7-30	2,000
199	Plano silt loam	0-4	100
223	Varna silt loam	4-7	100
224	Strawn silt loam	2-60	1,100
233	Birkbeck silt loam	2-18	2,400
243	St. Charles silt loam	2-12	100
279	Rozetta silt loam	0-12	1,700
280	Fayette silt loam	2-18	3,300
290	Warsaw silt loam	2-7	2,800
323	Casco silt loam	4-60	200
325	Dresden silt loam	4-18	200
327	Fox silt loam	2-30	200
359	Epworth fine sandy loam	0-7	400
385	Atlanta silt loam	2-12	1,000
386	Downs silt loam	0-12	1,700

Total	47,500
Percent of county	47

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil num- ber	Soil name	Slope range, percent	Esti- mated acres	Soil num- ber	Soil name	Slope range, percent	Esti- mated acres
RANDOLPH COUNTY				Low potential for nitrogen loss			
353,200 Total acres studied				4	Richview silt loam	4-7	100
High potential for nitrogen loss				8	Hickory loam	7-60	14,900
2	Cisne silt loam	0-2	2,500	8-D	Hickory-Ava complex	7-18	2,200
12	Wynoose silt loam	0-4	6,500	8-E	Hickory-Hosmer complex	7-18	4,100
53	Bloomfield fine sand	2-7	1,500	14	Ava silt loam	2-12	23,900
70	Beaucoup silty clay loam	0-2	3,900	15	Parke silt loam	4-12	1,900
71	Darwin silty clay	0-2	8,200	37	Worthen silt loam	2-12	600
71-A	Darwin silty clay, wet	0-2	1,100	75	Drury silt loam	4-12	200
83	Wabash silty clay	0-2	600	134	Camden silt loam	2-60	3,400
84	Okaw silt loam	0-2	200	214	Hosmer silt loam	2-30	38,900
108	Bonnie silt loam	0-2	9,400	215	Wartrace silt loam	2-30	5,200
108-A	Bonnie silt loam, wet	0-2	2,300	216	Stookey silt loam	30-60	3,000
112	Cowden silt loam	0-2	5,600	308	Alford silt loam	2-60	40,200
120	Huey silt loam	0-4	1,300	339	Wellston silt loam	12-18	200
161	Newart silt loam	0-4	2,300	340	Zanesville silt loam	18-30	400
162	Gorham silty clay loam	0-2	1,800	425	Muskingum stony silt loam	7-60	3,400
165	Weir silt loam	0-2	1,700	453	Muren silt loam	2-60	15,800
208	Sexton silt loam	0-2	1,500	456	Ware silt loam	0-4	2,600
284	Tice silty clay loam	0-4	1,200	Total			161,000
288-A	Petrolia silty clay loam, wet	0-2	1,100	Percent of county			46
334	Birds silt loam	0-4	600	RICHLAND COUNTY			
338	Hurst silt loam	2-4	300	221,300 Total acres studied			
420	Piopolis silty clay loam	0-2	100	High potential for nitrogen loss			
426	Karnak silty clay	0-2	4,100	2	Cisne silt loam	0-2	57,500
455	Mixed alluvial land	0-2	4,400	12	Wynoose silt loam	0-2	12,200
525	Darwin silty clay loam	0-4	2,700	48	Ebbert silt loam	0-2	900
589	Bowdre silty clay	0-4	1,800	108	Bonnie silt loam	0-2	3,700
590	Cairo silty clay	0-4	3,600	109	Raccoon silt loam	0-2	3,500
Total			70,300	120	Huey silt loam	0-7	2,500
Percent of county			20	218	Newberry silt loam	0-2	700
Medium potential for nitrogen loss				287	Chauncey silt loam	0-2	400
3	Hoyleton silt loam	0-7	4,800	288	Petrolia silty clay loam	0-2	2,300
5	Blair silt loam	4-12	3,700	Total			84,700
13	Bluford silt loam	0-12	28,100	Percent of county			38
72	Sharon silt loam	0-2	100	Medium potential for nitrogen loss			
113	Oconee silt loam	0-12	19,400	3	Hoyleton silt loam	0-7	33,600
122	Colp silt loam	2-30	2,900	5	Blair silt loam	2-18	18,900
131	Alvin fine sandy loam	2-30	600	13	Bluford silt loam	0-7	37,000
132	Starks silt loam	0-7	2,700	72	Sharon silt loam	0-2	100
164	Stoy silt loam	0-12	21,500	382	Belknap silt loam	0-2	20,600
180	Dupo silt loam	0-2	3,000	451	Lawson silt loam	0-2	800
181	Dupo fine sandy loam	0-2	1,000	581	Tamalco silt loam	0-7	2,100
304	Landes fine sandy loam	0-12	4,400	Total			113,100
331	Haymond silt loam	2-4	700	Percent of county			51
333	Wakeland silt loam	0-4	2,600	Low potential for nitrogen loss			
382	Belknap silt loam	0-4	19,500	4	Richview silt loam	2-7	800
451	Lawson silt loam	0-2	1,300	8	Hickory loam	4-30	12,400
452	Riley silty clay loam	0-18	4,200				
581	Tamalco silt loam	0-7	1,400				
Total			121,900				
Percent of county			34				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
8-D	Hickory-Ava complex	4-18	1,400	451	Lawson silt loam	0-2	2,600
14	Ava silt loam	2-12	8,400	452	Riley silty clay loam	0-2	100
15	Parke silt loam	2-4	100				
134	Camden silt loam	2-4	300			Total	48,600
339	Wellston silt loam	12-18	100			Percent of county	21
	Total		23,500				
	Percent of county		11				
ROCK ISLAND COUNTY				Low potential for nitrogen loss			
229,000 Total acres studied				8	Hickory loam	12-60	13,400
High potential for nitrogen loss				19	Sylvan silt loam	7-30	12,800
31	Levan loamy fine sand	0-2	200	19-K	Sylvan-Bold complex	12-30	3,000
45	Denny silt loam	0-2	400	35	Bold silt loam	4-30	1,800
53	Bloomfield fine sand	2-4	100	36	Tama silt loam	0-12	15,200
64	Calcareous Darwin	0-2	300	37	Worthen silt loam	0-2	3,100
67	Harpster silty clay loam	0-2	3,100	80	Alexis silt loam	0-4	6,900
68	Sable silty clay loam	0-2	100	134	Camden silt loam	0-30	1,900
76-A	Otter silt loam, wet	0-2	400	148	Proctor silt loam	0-4	1,600
83	Wabash silty clay	0-2	200	190	Onarga fine sandy loam	0-7	5,200
87	Dickinson sandy loam	0-30	9,200	199	Plano silt loam	0-2	3,400
88	Hagener loamy sand	0-4	800	220	Plattville silt loam	0-2	800
90	Plainfield fine sand	2-4	200	250	Velma loam	7-30	4,000
98	Ade loamy fine sand	0-4	1,000	268	Mt. Carroll silt loam	2-4	300
107	Sawmill silty clay loam	0-2	4,900	271	Timula silt loam	4-30	4,900
125	Selma loam	0-2	100	274	Seaton silt loam	12-18	600
152	Drummer silty clay loam	0-2	12,200	279	Rozetta silt loam	0-7	12,000
152-A	Drummer silty clay loam, wet	0-2	2,300	280	Fayette silt loam	2-60	28,600
196	Harpster fine sandy loam	0-2	400	386	Downs silt loam	0-18	13,200
261	Niota silt loam	0-2	200	640	Shallow to shale	18-30	200
317	Millsdale silty clay loam	0-2	100	727	Dickinson loam	0-7	4,100
347	Harpster loam	0-2	200	734	Disco loam	0-2	2,000
400	Calco silty clay loam	0-2	1,500			Total	139,000
465	Montgomery silty clay	0-2	700			Percent of county	61
766	Millsdale silty clay	0-2	2,800				
	Total		41,400				
	Percent of county		18				
Medium potential for nitrogen loss				ST. CLAIR COUNTY			
41	Muscatine silt loam	0-4	20,000	366,200 Total acres studied			
61	Atterberry silt loam	0-4	5,600	High potential for nitrogen loss			
74	Radford silt loam	0-2	200	9	Sandstone rock land	18-30	100
76	Otter silt loam	0-2	900	47	Virden silt loam	0-2	500
81	Littleton silt loam	0-2	2,300	48	Ebbert silt loam	0-2	400
82	Millington loam	0-2	400	50	Virden silty clay loam	0-2	300
119	Elco silt loam	12-30	1,400	53	Bloomfield fine sand	30-60	1,700
149	Brenton silt loam	0-2	4,500	70	Beaucoup silty clay loam	0-2	1,700
198	Elburn silt loam	0-2	400	83	Wabash silty clay	0-2	3,900
234	Sunbury silt loam	0-2	1,300	84	Okaw silt loam	0-4	5,100
262	Denrock silt loam	0-2	1,400	109	Racoon silt loam	0-2	1,500
266	Disco sandy loam	0-2	1,500	112	Cowden silt loam	0-2	3,200
278	Stronghurst silt loam	0-2	2,400	112-6	Cowden-Huey complex	0-2	12,700
285	Carmi loam	0-4	1,600	120	Huey silt loam	0-2	1,300
321	DuPage silt loam	0-2	100	165	Weir silt loam	0-2	14,300
415	Orion silt loam	0-2	1,900	175	Lamont fine sandy loam	0-2	100
				208	Sexton silt loam	0-4	7,200
				334	Birds silt loam	0-2	22,900
				474	Piasa silt loam	0-2	3,000
						Total	79,900
						Percent of county	22

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Medium potential for nitrogen loss				422	Cape silty clay loam	0-2	3,900
13	Bluford silt loam	0-12	3,700	465	Montgomery silty clay	0-2	14,100
43	Ipava silt loam	0-2	1,400		Total		85,600
46	Herrick silt loam	0-2	6,000		Percent of county		40
46-O	Herrick-Piasa complex	0-2	5,100	Medium potential for nitrogen loss			
113	Oconee silt loam	0-7	8,000				
113-V	Oconee-Tamalco complex	2-4	2,600	3	Hoyleton silt loam	0-4	4,200
114	O'Fallon silt loam	2-7	1,500	5	Blair silt loam	4-18	16,200
119	Elco silt loam	7-18	500	13	Bluford silt loam	0-7	22,100
122	Colp silt loam	4-30	4,400	132	Starks silt loam	0-2	3,400
164	Stoy silt loam	0-7	39,500	176	Marissa silt loam	0-2	4,600
180	Dupo silt loam	0-2	2,600	335	Robbs silt loam	2-7	4,800
246	Bolivia silt loam	0-4	2,200	337	Creal silt loam	2-4	400
257	Clarksdale silt loam	0-7	4,900	382	Belknap silt loam	0-4	27,600
258	Sicily silt loam	2-12	1,500	467	Markland silt loam	0-7	1,600
304	Landes fine sandy loam	0-2	4,700	483	Henshaw silt loam	0-7	4,400
333	Wakeland silt loam	0-2	6,900		Total		89,300
451	Lawson silt loam	0-2	19,000		Percent of county		41
452	Riley silty clay loam	0-2	7,100	Low potential for nitrogen loss			
454	Iva silt loam	0-7	4,600	8	Hickory loam	7-60	1,900
581	Tamalco silt loam	2-7	2,500	14	Ava silt loam	2-12	9,600
	Total		133,800	214	Hosmer silt loam	2-12	400
	Percent of county		36	301	Grantsburg silt loam	2-12	26,200
Low potential for nitrogen loss				339	Wellston silt loam	7-30	1,500
8	Hickory loam	7-30	3,200	339-H	Wellston-Muskingum complex	18-30	900
8-E	Hickory-Hosmer complex	7-30	8,200	340	Zanesville silt loam	7-12	600
19-K	Sylvan-Bold complex	12-60	6,400	425	Muskingum stony silt loam	12-18	400
127	Harrison silt loam	0-7	10,800	482	Uniontown silt loam	12-18	400
128	Douglas silt loam	2-7	4,600		Total		41,900
214	Hosmer silt loam	2-18	47,600		Percent of county		19
215	Wartrace silt loam	4-18	600	SANGAMON COUNTY			
247	Tovey silt loam	0-7	8,400	514,300 Total acres studied			
308	Alford silt loam	0-60	47,600	High potential for nitrogen loss			
453	Muren silt loam	0-18	14,900	45	Denny silt loam	0-2	1,900
583	Pike silt loam	7-60	200	47	Virden silt loam	0-2	2,800
	Total		152,500	48	Ebbert silt loam	0-2	3,300
	Percent of county		42	50	Virden silty clay loam	0-2	4,600
SALINE COUNTY				53	Bloomfield fine sand	12-18	1,100
216,800 Total acres studied				54	Plainfield sand	4-12	400
High potential for nitrogen loss				65	Illiopoli silty clay loam	0-2	101,100
2	Cisne silt loam	0-2	200	70	Beaucoup silty clay loam	0-2	800
12	Wynoose silt loam	0-2	5,000	107	Sawmill silty clay loam	0-2	2,100
108	Bonnie silt loam	0-2	16,400	208	Sexton silt loam	0-2	1,200
108-A	Bonnie silt loam, wet	0-2	9,900	244	Hartsburg silty clay loam	0-2	10,800
109	Racoon silt loam	0-2	7,100	284	Tice silty clay loam	0-2	17,000
120	Huey silt loam	0-2	100	451-A	Lawson silt loam, wet	0-2	3,000
142	Patton silty clay loam	0-2	23,200		Total		150,100
173	McGary silt loam	0-4	3,100		Percent of county		29
287	Chauncey silt loam	0-2	1,800				
288	Petrolia silty clay loam	0-2	800				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Medium potential for nitrogen loss				81	Littleton silt loam	2-4	500
17	Keomah silt loam	0-4	4,500	180	Dupo silt loam	0-2	1,700
43	Ipava silt loam	0-2	126,300	246	Bolivia silt loam	2-4	500
46	Herrick silt loam	0-2	6,900	257	Clarksdale silt loam	0-12	24,700
74	Radford silt loam	0-2	5,900	258	Sicily silt loam	2-12	10,200
131	Alvin fine sandy loam	2-18	13,700	278	Stronghurst silt loam	0-2	500
132	Starks silt loam	0-7	1,100	304	Landes fine sandy loam	2-4	300
149	Brenton silt loam	0-2	3,000	331	Haymond silt loam	2-4	1,300
184	Roby fine sandy loam	2-4	500	333	Wakeland silt loam	0-4	3,600
246	Bolivia silt loam	0-7	55,800	415	Orion silt loam	0-2	1,000
257	Clarksdale silt loam	0-2	6,500	451	Lawson silt loam	0-4	8,100
258	Sicily silt loam	2-12	9,900	475	Elsah cherty silt loam	0-7	700
451	Lawson silt loam	0-2	24,900	585	Negley loam	18-60	3,300
Total			259,000	Total			94,200
Percent of county			50	Percent of county			35
Low potential for nitrogen loss				Low potential for nitrogen loss			
8	Hickory loam	7-60	31,700	8	Hickory loam	12-60	43,600
18	Clinton silt loam	0-30	18,100	18	Clinton silt loam	2-60	50,000
19	Sylvan silt loam	12-18	900	19	Sylvan silt loam	18-30	1,000
34	Tallula silt loam	4-12	15,700	37	Worthen silt loam	2-4	100
80	Alexis silt loam	0-2	600	75	Drury silt loam	2-7	300
127	Harrison silt loam	2-4	1,000	77	Huntsville silt loam	0-4	6,200
134	Camden silt loam	2-4	500	127	Harrison silt loam	2-7	2,600
148	Proctor silt loam	0-7	6,500	250	Velma loam	7-18	1,000
190	Onarga fine sandy loam	7-12	1,100	264	El Dara sandy loam	12-30	1,700
243	St. Charles silt loam	4-7	800	279	Rozetta silt loam	0-12	3,400
247	Tovey silt loam	2-12	18,900	280	Fayette silt loam	2-30	22,000
250	Velma loam	7-12	1,200	283	Clary silt loam	2-30	3,300
283	Clary silt loam	4-12	8,200	640	Shallow to shale	18-60	5,100
Total			105,200	Total			149,300
Percent of county			21	Percent of county			56
SCHUYLER COUNTY				SCOTT COUNTY			
266,100 Total acres studied				154,900 Total acres studied			
High potential for nitrogen loss				High potential for nitrogen loss			
16	Rushville silt loam	0-2	2,200	16	Rushville silt loam	0-2	200
70	Beaucoup silty clay loam	0-2	10,300	45	Denny silt loam	0-2	100
71	Darwin silty clay	0-2	8,400	47	Virden silt loam	0-2	100
83	Wabash silty clay	0-2	1,500	53	Bloomfield fine sand	0-30	1,300
87	Dickinson sandy loam	0-4	200	68	Sable silty clay loam	0-2	3,500
Total			22,600	70	Beaucoup silty clay loam	0-2	7,200
Percent of county			9	83	Wabash silty clay	0-2	16,400
Medium potential for nitrogen loss				87	Dickinson sandy loam	0-4	900
5	Blair silt loam	7-18	800	88	Hagener loamy sand	0-4	6,900
17	Keomah silt loam	0-4	20,100	98	Ade loamy fine sand	2-4	700
28	Jules silt loam	0-2	4,200	172	Hoopeston sandy loam	0-2	300
43	Ipava silt loam	0-2	4,700	187	Milroy sandy loam	0-2	200
46	Herrick silt loam	0-4	7,900	208	Sexton silt loam	0-2	400
74	Radford silt loam	0-2	100	Total			38,200
				Percent of county			25

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil num-ber	Soil name	Slope range, percent	Esti-mated acres	Soil num-ber	Soil name	Slope range, percent	Esti-mated acres
Medium potential for nitrogen loss				Medium potential for nitrogen loss			
17	Keomah silt loam	0-4	4,500	3	Hoyleton silt loam	0-7	1,900
28	Jules silt loam	0-2	1,100	5	Blair silt loam	4-12	12,200
41	Muscatine silt loam	0-2	15,100	13	Bluford silt loam	0-7	29,800
74	Radford silt loam	0-2	800	46	Herrick silt loam	0-2	18,200
78	Arenzville silt loam	0-2	500	72	Sharon silt loam	0-2	2,200
81	Littleton silt loam	0-4	7,600	113	Oconee silt loam	0-7	31,900
149	Brenton silt loam	0-4	2,100	132	Starks silt loam	0-4	2,800
257	Clarksdale silt loam	0-4	4,100	154	Flanagan silt loam	0-2	41,600
258	Sicily silt loam	0-18	14,600	164	Stoy silt loam	0-7	13,800
451	Lawson silt loam	0-2	11,300	198	Elburn silt loam	0-2	5,500
				234	Sunbury silt loam	0-2	3,400
	Total		61,700	236	Sabina silt loam	0-2	900
	Percent of county		40	242	Kendall silt loam	0-2	2,900
				304	Landes fine sandy loam	0-4	700
Low potential for nitrogen loss				333	Wakeland silt loam	0-4	1,600
8	Hickory loam	7-60	13,100	348	Wingate silt loam	2-4	2,700
18	Clinton silt loam	0-18	7,800	451	Lawson silt loam	0-2	27,900
19	Sylvan silt loam	7-30	600	481	Raub silt loam	0-4	1,300
19-K	Sylvan-Bold complex	7-60	3,800	581	Tamalco silt loam	0-4	600
30	Hamburg silt	7-60	4,000	585	Negley loam	7-18	4,100
34-K	Tallula-Bold complex	7-12	1,500			Total	206,000
35	Bold silt loam	2-60	1,300			Percent of county	44
36	Tama silt loam	4-7	1,700	Low potential for nitrogen loss			
37	Worthen silt loam	0-7	2,400	8	Hickory loam	7-60	28,300
39	Oakford silt loam	2-4	300	14	Ava silt loam	2-12	2,900
77	Huntsville silt loam	0-2	700	15	Parke silt loam	4-12	300
150	Onarga sandy loam	2-4	100	25	Hennepin loam	12-30	11,700
151	Ridgeville fine sandy loam	0-4	4,600	27	Miami silt loam	4-18	6,800
279	Rozetta silt loam	2-4	600	37	Worthen silt loam	4-7	400
280	Fayette silt loam	2-30	2,900	56	Dana silt loam	2-7	25,700
283	Clary silt loam	2-30	9,600	75	Drury silt loam	2-7	2,300
				77	Huntsville silt loam	0-4	7,700
	Total		55,000	127	Harrison silt loam	2-4	400
	Percent of county		35	128	Douglas silt loam	2-7	1,000
SHELBY COUNTY				134	Camden silt loam	0-30	12,500
467,900 Total acres studied				171	Catlin silt loam	0-2	1,000
High potential for nitrogen loss				199	Plano silt loam	0-2	300
2	Cisne silt loam	0-2	19,400	214	Hosmer silt loam	2-12	11,700
12	Wynoose silt loam	0-2	5,300	224	Strawn silt loam	4-18	4,200
48	Ebbert silt loam	0-2	8,100	291	Xenia silt loam	2-4	2,600
50	Virden silty clay loam	0-2	500	322	Russell silt loam	2-7	4,700
70	Beaucoup silty clay loam	0-2	2,800	385	Atlanta silt loam	0-2	200
112	Cowden silt loam	0-4	70,200	587	Terril loam	2-4	5,000
138	Shiloh silty clay loam	0-2	4,100			Total	129,700
152	Drummer silty clay loam	0-2	15,400			Percent of county	28
165	Weir silt loam	0-2	4,000	STARK COUNTY			
330	Peotone silty clay loam	0-2	100	179,500 Total acres studied			
334	Birds silt loam	0-2	2,100	High potential for nitrogen loss			
474	Piasa silt loam	0-2	200	45	Denny silt loam	0-2	2,100
				67	Harpster silty clay loam	0-2	1,000
	Total		132,100				
	Percent of county		28				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
68	Sable silty clay loam	0-2	8,900	STEPHENSON COUNTY			
107	Sawmill silty clay loam	0-2	1,000	346,500 Total acres studied			
136	Brooklyn silt loam	0-2	500	High potential for nitrogen loss			
152	Drummer silty clay loam	0-2	8,000	67	Harpster silty clay loam	0-2	300
206	Thorp silt loam	0-2	600	68	Sable silty clay loam	0-2	3,400
330	Peotone silty clay loam	0-2	100	74-A	Radford silt loam, wet	0-2	1,500
Total			22,200	87	Dickinson sandy loam	2-7	900
Percent of county			12	103	Houghton muck	0-4	100
Medium potential for nitrogen loss				107	Sawmill silty clay loam	0-2	2,800
41	Muscatine silt loam	0-4	24,400	152	Drummer silty clay loam	0-2	1,200
61	Atterberry silt loam	0-4	1,400	206	Thorp silt loam	0-2	200
73	Ross loam	0-2	1,000	272	Edgington silt loam	0-2	500
74	Radford silt loam	0-2	1,000	Total			10,900
78	Arenzville silt loam	0-2	1,300	Percent of county			3
81	Littleton silt loam	0-2	200	Medium potential for nitrogen loss			
104	Virgil silt loam	0-4	1,200	6	Fishhook silt loam	4-12	2,600
119	Elco silt loam	4-18	4,500	7	Atlas silt loam	4-12	800
154	Flanagan silt loam	2-4	1,100	41	Muscatine silt loam	0-4	9,600
198	Elburn silt loam	0-4	12,300	61	Atterberry silt loam	0-4	5,200
278	Stronghurst silt loam	0-2	500	74	Radford silt loam	0-2	19,000
328	Cullo silt loam	0-2	700	76	Otter silt loam	0-2	100
451	Lawson silt loam	0-4	1,600	93	Rodman gravelly loam	7-18	1,500
Total			51,200	104	Virgil silt loam	0-4	4,900
Percent of county			29	198	Elburn silt loam	0-4	4,700
Low potential for nitrogen loss				219	Millbrook silt loam	0-2	300
8	Hickory loam	12-60	4,600	239	Dorchester silt loam	0-2	8,200
8-M	Hickory-Sylvan complex	12-30	4,500	242	Kendall silt loam	2-4	1,100
19	Sylvan silt loam	12-18	300	451	Lawson silt loam	0-2	13,500
25	Hennepin loam	18-60	300	470	Keller silt loam	2-4	200
36	Tama silt loam	0-18	44,500	504	Sogn silt loam	2-60	5,100
77	Huntsville silt loam	0-2	300	743	Ridott silt loam	4-7	200
80	Alexis silt loam	4-18	1,200	744	Gratiot silt loam	2-7	1,000
105	Batavia silt loam	2-12	1,100	Total			78,000
134	Camden silt loam	4-18	200	Percent of county			23
145	Saybrook silt loam	2-12	2,000	Low potential for nitrogen loss			
148	Proctor silt loam	2-12	4,700	21	Pecatonica silt loam	2-12	4,500
150	Onarga sandy loam	2-4	100	22	Westville silt loam	4-18	1,100
171	Catlin silt loam	2-7	5,900	27	Miami silt loam	7-12	700
199	Plano silt loam	0-7	10,100	29	Dubuque silt loam	4-30	23,100
243	St. Charles silt loam	2-60	200	36	Tama silt loam	0-7	46,300
259	Assumption silt loam	7-30	2,700	40	Dodgeville silt loam	4-12	2,500
279	Rozetta silt loam	0-12	5,600	77	Huntsville silt loam	0-2	6,100
280	Fayette silt loam	2-18	10,600	105	Batavia silt loam	0-7	3,200
344	Harvard silt loam	4-12	600	134	Camden silt loam	2-12	3,600
386	Downs silt loam	0-12	6,400	148	Proctor silt loam	2-7	1,400
640	Shallow to shale	18-30	200	171	Catlin silt loam	2-12	800
Total			106,100	194	Morley silt loam	4-12	400
Percent of county			59	199	Plano silt loam	0-7	3,500
				221	Parr silt loam	4-12	1,000
				227	Argyle silt loam	2-7	4,100

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil num-ber	Soil name	Slope range, percent	Esti-mated acres	Soil num-ber	Soil name	Slope range, percent	Esti-mated acres
243	St. Charles silt loam	0-7	800	451-A	Lawson silt loam, wet	0-2	3,100
279	Rozetta silt loam	2-4	8,300	633	Traer silt loam	0-2	1,400
280	Fayette silt loam	2-12	35,800				
290	Warsaw silt loam	4-12	1,100			Total	134,300
299	Nippersink silt loam	4-12	800			Percent of county	35
327	Fox silt loam	4-7	200				
344	Harvard silt loam	2-7	3,800				
361	Lapeer loam	7-18	1,400				
386	Downs silt loam	0-7	14,600	28	Jules silt loam	0-2	600
410	Woodbine silt loam	2-12	6,900	41	Muscatine silt loam	0-4	54,200
411	Ashdale silt loam	2-12	8,600	61	Atterberry silt loam	0-4	700
412	Ogle silt loam	2-12	19,400	73	Ross loam	0-2	4,900
414	Myrtle silt loam	2-12	11,200	74	Radford silt loam	0-2	400
416	Durand silt loam	2-12	3,800	78	Arenzville silt loam	0-2	500
417	Derinda silt loam	2-12	4,300	81	Littleton silt loam	0-2	1,000
418	Schapville silt loam	7-12	200	93	Rodman gravelly loam	7-60	400
419	Flagg silt loam	2-12	4,300	119	Elco silt loam	18-30	400
429	Palsgrove silt loam	2-12	8,500	131	Alvin fine sandy loam	0-18	1,600
506	Hitt silt loam	2-12	18,900	149	Brenton silt loam	0-2	1,900
547	Eleroy silt loam	4-7	600	198	Elburn silt loam	0-2	3,600
578	Dorchester silt loam, rocky sub.	0-2	700	278	Stronghurst silt loam	0-2	1,300
731	Nasset silt loam	2-7	1,100	304	Landes fine sandy loam	0-2	900
				318	Lorenzo silt loam	12-18	100
		Total	257,600	321	DuPage silt loam	0-2	4,600
		Percent of county	74	333	Wakeland silt loam	0-2	100
				398	Wea silt loam	0-4	400
				415	Orion silt loam	0-4	400
				452	Riley silty clay loam	0-2	500
				636	Fox sandy loam	0-12	900
TAZEWELL COUNTY							
382,700 Total acres studied							

TAZEWELL COUNTY

382,700 Total acres studied

High potential for nitrogen loss					Total		79,400
					Percent of county		21
31	Levan loamy fine sand	4-7	100				
45	Denny silt loam	0-2	1,500				
53	Bloomfield fine sand	7-12	200		Low potential for nitrogen loss		
54	Plainfield sand	0-60	9,100	8	Hickory loam	30-60	2,500
67	Harpster silty clay loam	0-2	5,800	19	Sylvan silt loam	12-60	1,300
68	Sable silty clay loam	0-2	42,600	24	Dodge silt loam	4-18	2,900
70	Beaucoup silty clay loam	0-2	11,400	25	Hennepin loam	7-60	11,300
71	Darwin silty clay	0-2	3,100	36	Tama silt loam	0-7	64,900
87	Dickinson sandy loam	0-7	4,300	37	Worthen silt loam	0-7	8,900
88	Hagener loamy sand	2-18	2,100	57	Montmorenci silt loam	7-12	900
92	Sarpy sand	0-2	400	60	LaRose silt loam	7-18	200
98	Ade loamy fine sand	0-12	7,200	75	Drury silt loam	2-4	100
103	Houghton muck	0-2	1,900	77	Huntsville silt loam	0-2	2,500
107	Sawmill silty clay loam	0-2	1,100	80	Alexis silt loam	0-4	600
152	Drummer silty clay loam	0-2	6,600	105	Batavia silt loam	2-4	600
161	Newart silt loam	0-4	12,400	134	Camden silt loam	2-18	1,900
162	Gorham silty clay loam	0-2	4,700	145	Saybrook silt loam	4-12	2,300
172	Hoopeston sandy loam	0-2	1,300	148	Proctor silt loam	0-7	3,400
175	Lamont fine sandy loam	0-12	400	150	Onarga sandy loam	0-4	2,200
200	Orio sandy loam	0-2	7,400	156	Ridgeville sandy loam	0-2	100
206	Thorp silt loam	0-2	1,900	171	Catlin silt loam	2-7	8,200
270	Oquawka sand	0-18	2,200	224	Strawn silt loam	7-30	3,700
272	Edgington silt loam	0-2	900	233	Birkbeck silt loam	4-12	6,200
284	Tice silty clay loam	0-2	300	243	St. Charles silt loam	2-7	700
332	Billet sandy loam	0-2	200	253	Stonington loam	7-60	500
400	Calco silty clay loam	0-2	700	279	Rozetta silt loam	0-7	8,900
				280	Fayette silt loam	2-60	14,600

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
323	Casco silt loam	0-30	9,600	VERMILION COUNTY			
359	Epworth fine sandy loam	0-4	600	533,800 Total acres studied			
385	Atlanta silt loam	4-12	1,100	High potential for nitrogen loss			
386	Downs silt loam	2-7	3,900	53	Bloomfield fine sand	0-2	800
387	Ockley silt loam	0-18	600	67	Harpster silty clay loam	0-2	1,100
635	Onarga loam	0-2	2,900	87	Dickinson sandy loam	2-4	500
727	Dickinson loam	2-4	900	107	Sawmill silty clay loam	0-2	100
Total			169,000	125	Selma loam	0-4	2,400
Percent of county			44	152	Drummer silty clay loam	0-2	142,300
				172	Hoopeston sandy loam	0-2	1,000
				175	Lamont fine sandy loam	0-18	2,600
				206	Thorp silt loam	0-2	1,700
				207	Ward silt loam	0-2	800
				230	Rowe silty clay	0-2	10,800
				232	Ashkum silty clay loam	0-2	35,300
				235	Bryce silty clay	0-2	21,600
				238	Rantoul silty clay	0-2	900
				330	Peotone silty clay loam	0-2	4,100
Total			226,600	Total			226,000
Percent of county			42	Percent of county			42
				Medium potential for nitrogen loss			
				23	Blount silt loam	0-7	1,900
				59	Lisbon silt loam	0-4	8,400
				62	Herbert silt loam	0-2	300
				73	Ross loam	0-2	5,000
				91	Swygert silty clay loam	0-18	17,400
				102	LaHogue loam	0-2	3,200
				104	Virgil silt loam	0-2	2,100
				131	Alvin fine sandy loam	0-30	2,700
				132	Starks silt loam	0-4	3,000
				146	Elliott silt loam	0-7	20,000
				147	Clarence silty clay loam	0-7	4,700
				149	Brenton silt loam	0-4	1,600
				154	Flanagan silt loam	0-4	46,100
				189	Martinton silt loam	0-4	1,200
				198	Elburn silt loam	0-4	6,000
				219	Millbrook silt loam	0-2	300
				234	Sunbury silt loam	0-4	5,100
				236	Sabina silt loam	0-7	20,400
				241	Chatsworth silt loam	7-12	100
				265	Lomax loam	0-2	200
				293	Andres silt loam	0-4	9,400
				295	Mokena silt loam	2-7	1,200
				298	Beecher silt loam	0-4	2,500
				328	Cullo silt loam	0-2	1,200
				448	Mona silt loam	0-7	2,500
				451	Lawson silt loam	0-2	2,700
				481	Raub silt loam	0-4	2,100
				531	Markham silt loam	4-7	500
Total			48,900	Total			171,800
Percent of county			22	Percent of county			32
				Low potential for nitrogen loss			
214	Hosmer silt loam	2-30	58,300				
215	Wartrace silt loam	2-60	43,000				
216	Stookey silt loam	18-60	3,800				
216-N	Stookey-Bodine complex	18-60	6,200				
308	Alford silt loam	4-30	10,200				
339	Wellston silt loam	12-60	1,500				
340	Zanesville silt loam	12-30	4,800				
425	Muskingum stony silt loam	12-60	7,400				
453	Muren silt loam	4-30	1,900				
Total			137,100	Total			171,800
Percent of county			60	Percent of county			32

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Low potential for nitrogen loss				72	Sharon silt loam	0-2	1,700
24	Dodge silt loam	2-18	7,600	131	Alvin fine sandy loam	0-18	3,200
25	Hennepin loam	12-18	17,300	132	Starks silt loam	0-7	1,300
27	Miami silt loam	2-4	1,900	164	Stoy silt loam	0-7	6,100
55	Sidell silt loam	4-12	1,200	176	Marissa silt loam	0-4	3,100
56	Dana silt loam	0-4	2,000	184	Roby fine sandy loam	0-4	3,600
60	LaRose silt loam	2-7	2,200	304	Landes fine sandy loam	0-7	2,900
80	Alexis silt loam	2-4	700	306	Allison silty clay loam	0-7	13,600
105	Batavia silt loam	2-4	600	307	Iona silt loam	0-4	3,400
134	Camden silt loam	0-12	4,100	331	Haymond silt loam	0-2	2,900
145	Saybrook silt loam	2-7	24,900	333	Wakeland silt loam	0-2	2,500
148	Proctor silt loam	0-7	6,300	382	Belknap silt loam	0-2	13,000
151	Ridgeville fine sandy loam	0-4	1,700	Total			65,600
155	Stockland loam	0-2	400	Percent of county			49
171	Catlin silt loam	2-7	9,100	Low potential for nitrogen loss			
190	Onarga fine sandy loam	0-4	4,200	8-D	Hickory-Ava complex	4-30	2,400
194	Morley silt loam	4-30	2,900	8-E	Hickory-Hosmer complex	2-30	1,400
199	Plano silt loam	0-4	4,500	8-G	Hickory-Alford complex	7-30	1,200
223	Varna silt loam	0-7	14,300	14	Ava silt loam	2-7	1,000
224	Strawn silt loam	4-30	3,600	37	Worthen silt loam	0-7	1,300
233	Birkbeck silt loam	2-12	16,000	134	Camden silt loam	0-7	600
243	St. Charles silt loam	0-2	1,200	214	Hosmer silt loam	0-18	9,100
253	Stonington loam	2-18	2,300	308	Alford silt loam	0-30	11,000
291	Xenia silt loam	4-7	400	Total			28,000
294	Symerton silt loam	2-7	1,100	Percent of county			21
322	Russell silt loam	2-18	4,300	WARREN COUNTY			
608	Ockley loam	2-12	1,200	334,100 Total acres studied			
Total			136,000	High potential for nitrogen loss			
Percent of county			26	45	Denny silt loam	0-2	1,300
WABASH COUNTY				67	Harpster silty clay loam	0-2	1,900
134,600 Total acres studied				68	Sable silty clay loam	0-2	41,200
High potential for nitrogen loss				107	Sawmill silty clay loam	0-2	6,400
70	Beaucoup silty clay loam	0-2	3,500	244	Hartsburg silty clay loam	0-2	100
108	Bonnie silt loam	0-2	11,200	272	Edgington silt loam	0-2	600
109	Racoon silt loam	0-2	400	Total			51,500
124	Beaucoup gravelly clay loam	0-2	100	Percent of county			15
125	Selma loam	0-2	1,000	Medium potential for nitrogen loss			
142	Patton silty clay loam	0-2	13,400	7	Atlas silt loam	18-30	800
165	Weir silt loam	0-2	400	17	Keomah silt loam	0-7	1,200
167	Lukin silt loam	0-4	3,900	41	Muscatine silt loam	0-4	93,800
173	McGary silt loam	0-18	2,600	61	Atterberry silt loam	0-4	2,300
208	Sexton silt loam	0-2	1,600	198	Elburn silt loam	0-2	500
284	Tice silty clay loam	0-2	1,300	257	Clarksdale silt loam	0-7	2,500
287	Chauncey silt loam	0-2	1,300	258	Sicily silt loam	2-12	2,200
334	Birds silt loam	0-2	300	278	Stronghurst silt loam	0-4	2,800
Total			41,000	451	Lawson silt loam	0-2	14,000
Percent of county			30	660	Coatsburg silt loam	7-30	6,200
Medium potential for nitrogen loss				Total			126,300
3	Hoyleton silt loam	0-7	5,000	Percent of county			38
5	Blair silt loam	2-7	1,000				
13	Bluford silt loam	0-4	2,300				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil num-ber	Soil name	Slope range, percent	Esti-mated acres	Soil num-ber	Soil name	Slope range, percent	Esti-mated acres
Low potential for nitrogen loss				382	Belknap silt loam	0-4	39,700
8	Hickory loam	12-60	10,400	415	Orion silt loam	0-2	600
18	Clinton silt loam	2-18	5,800	451	Lawson silt loam	0-2	100
36	Tama silt loam	0-18	89,300	581	Tamalco silt loam	0-7	25,200
37	Worthen silt loam	2-7	700	584	Walshville loam	7-12	100
77	Huntsville silt loam	0-2	1,300			Total	164,900
243	St. Charles silt loam	4-7	1,100			Percent of county	48
259	Assumption silt loam	7-18	8,100	Low potential for nitrogen loss			
275	Joy silt loam	0-4	6,000	8	Hickory loam	2-60	17,700
277	Port Byron silt loam	0-18	6,200	14	Ava silt loam	0-12	9,600
279	Rozetta silt loam	0-18	6,500	127	Harrison silt loam	0-4	900
280	Fayette silt loam	2-18	5,600	214	Hosmer silt loam	4-60	900
280-F	Fayette-Hickory complex	18-30	4,900			Total	29,100
283	Clary silt loam	2-12	2,200			Percent of county	8
386	Downs silt loam	0-18	8,200				
	Total		156,300				
	Percent of county		47				

WASHINGTON COUNTY

346,800 Total acres studied

High potential for nitrogen loss			
2	Cisne silt loam	0-4	63,700
12	Wynoose silt loam	0-4	21,900
26	Wagner silt loam	0-2	4,700
48	Ebbert silt loam	0-2	800
70	Beaucoup silty clay loam	0-2	5,200
84	Okaw silt loam	0-2	1,800
108-A	Bonnie silt loam, wet	0-2	2,100
110	Venedy silt loam	0-2	900
112	Cowden silt loam	0-2	4,600
120	Huey silt loam	0-4	13,800
142	Patton silty clay loam	0-2	900
161	Newart silt loam	2-4	100
165	Weir silt loam	0-2	4,100
218	Newberry silt loam	0-2	300
287	Chauncey silt loam	0-2	1,200
338	Hurst silt loam	0-7	1,400
420-A	Piopolis silty clay loam, wet	0-2	1,300
465	Montgomery silty clay	0-2	1,100
474	Piasa silt loam	0-2	22,900
Total			152,800
Percent of county			44

Medium potential for nitrogen loss			
3	Hoyleton silt loam	0-7	22,200
5	Blair silt loam	2-60	28,400
13	Bluford silt loam	0-12	29,000
46	Herrick silt loam	0-2	5,400
72	Sharon silt loam	0-2	200
113	Oconee silt loam	0-7	5,100
122	Colp silt loam	2-4	100
164	Stoy silt loam	0-12	6,900
333	Wakeland silt loam	0-2	1,900

WAYNE COUNTY

436,700 Total acres studied

High potential for nitrogen loss			
2	Cisne silt loam	0-4	49,600
12	Wynoose silt loam	0-4	25,700
71	Darwin silty clay	0-2	500
72	Sharon silt loam	0-2	1,300
108	Bonnie silt loam	0-2	41,900
108-A	Bonnie silt loam, wet	0-2	900
109	Raccoon silt loam	0-2	18,600
142	Patton silty clay loam	0-2	1,500
287	Chauncey silt loam	0-2	3,100
288	Petrolia silty clay loam	0-2	9,000
420	Piopolis silty clay loam	0-2	31,000
420-A	Piopolis silty clay loam, wet	0-2	16,100
422	Cape silty clay loam	0-2	4,300
426	Karnak silty clay	0-2	1,400
465	Montgomery silty clay	0-2	200
Total			205,100
Percent of county			47

Medium potential for nitrogen loss			
3	Hoyleton silt loam	0-7	47,100
5	Blair silt loam	2-18	30,800
7	Atlas silt loam	4-7	1,300
13	Bluford silt loam	0-12	52,500
382	Belknap silt loam	0-4	32,700
483	Henshaw silt loam	0-7	3,600
			Total
			168,000
Percent of county			38

Low potential for nitrogen loss			
4	Richview silt loam	2-7	2,900
8	Hickory loam	4-60	19,100

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
14	Ava silt loam	0-12	25,000	184	Roby fine sandy loam	0-7	18,800
15	Parke silt loam	2-18	2,000	198	Elburn silt loam	2-4	400
250	Velma loam	2-7	1,400	219	Millbrook silt loam	0-4	1,400
301	Grantsburg silt loam	2-7	1,600	285	Carmi loam	0-2	500
339	Wellston silt loam	12-18	1,300	306	Allison silty clay loam	0-4	2,200
340	Zanesville silt loam	7-18	1,400	333	Wakeland silt loam	0-2	4,600
421	Kell loam	4-60	7,200	335	Robbs silt loam	2-7	700
482	Uniontown silt loam	0-12	1,700	337	Creal silt loam	0-4	2,800
				382	Belknap silt loam	0-4	23,500
		Total	63,600	467	Markland silt loam	4-7	400
	Percent of county		15	483	Henshaw silt loam	0-7	15,600

WHITE COUNTY

304,800 Total acres studied

Total	136,300
Percent of county	45

High potential for nitrogen loss

2	Cisne silt loam	0-2	800
9	Sandstone rock land	30-60	100
12	Wynoose silt loam	0-2	500
70	Beaucoup silty clay loam	0-2	8,300
71	Darwin silty clay	0-2	1,000
71-A	Darwin silty clay, wet	0-2	1,200
87	Dickinson sandy loam	0-2	1,300
101	Milroy fine sandy loam	0-2	1,000
108	Bonnie silt loam	0-2	9,900
109	Racoon silt loam	0-2	2,000
125	Selma loam	0-2	300
142	Patton silty clay loam	0-2	16,700
165	Weir silt loam	0-4	1,000
173	McGary silt loam	0-12	1,100
175	Lamont fine sandy loam	4-12	500
178	Ruark fine sandy loam	0-2	400
200	Orio sandy loam	0-2	200
208	Sexton silt loam	0-2	10,600
284	Tice silty clay loam	0-4	5,400
287	Chauncey silt loam	0-4	2,700
288	Petrolia silty clay loam	0-2	2,200
334	Birds silt loam	0-2	300
420	Piopolis silty clay loam	0-2	300
422	Cape silty clay loam	0-2	1,000
422-A	Cape silty clay loam, wet	0-2	600
426-A	Karnak silty clay, wet	0-2	1,700
465	Montgomery silty clay	0-2	6,300
	Total		79,400
	Percent of county		26

Medium potential for nitrogen loss

3	Hoyleton silt loam	0-4	3,200
5	Blair silt loam	4-18	15,700
13	Bluford silt loam	0-12	10,100
72	Sharon silt loam	0-2	1,700
131	Alvin fine sandy loam	0-12	4,400
132	Starks silt loam	0-12	11,400
164	Stoy silt loam	0-12	15,800
176	Marissa silt loam	0-2	1,500
180	Dupo silt loam	0-2	1,600

Low potential for nitrogen loss

8	Hickory loam	7-30	6,300
14	Ava silt loam	2-12	9,900
19	Sylvan silt loam	7-60	1,200
19-K	Sylvan-Bold complex	18-30	1,600
37	Worthen silt loam	2-4	300
39	Oakford silt loam	2-4	200
134	Camden silt loam	0-30	9,300
148	Proctor silt loam	2-4	100
151	Ridgeville fine sandy loam	0-2	400
190	Onarga fine sandy loam	2-4	100
214	Hosmer silt loam	2-18	28,500
250	Velma loam	2-7	300
301	Grantsburg silt loam	2-12	3,600
308	Alford silt loam	0-60	8,100
339	Wellston silt loam	4-60	10,400
340	Zanesville silt loam	4-30	4,200
425	Muskingum stony silt loam	7-30	1,300
482	Uniontown silt loam	0-30	3,300

Total	89,100
Percent of county	29

WHITESIDE COUNTY

415,900 Total acres studied

High potential for nitrogen loss

45	Denny silt loam	0-2	300
53	Bloomfield fine sand	7-12	100
67	Harpster silty clay loam	0-2	3,700
68	Sable silty clay loam	0-2	900
87	Dickinson sandy loam	0-18	19,500
88	Hagener loamy sand	0-18	8,200
90	Plainfield fine sand	7-30	1,100
98	Ade loamy fine sand	0-18	5,100
103	Houghton muck	0-2	2,200
107	Sawmill silty clay loam	0-2	5,100
125	Selma loam	0-2	7,500
152	Drummer silty clay loam	0-2	9,700
172	Hoopeston sandy loam	0-2	2,700
175	Lamont fine sandy loam	4-12	1,600
201	Gilford fine sandy loam	0-2	700

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
206	Thorp silt loam	0-4	16,500	199	Plano silt loam	0-4	6,400
210	Lena muck	0-2	1,400	220	Plattville silt loam	0-2	900
270	Oquawka sand	7-12	500	224	Strawn silt loam	18-30	1,100
317	Millsdale silty clay loam	0-2	4,600	243	St. Charles silt loam	2-12	2,900
332	Billet sandy loam	4-30	4,100	271	Timula silt loam	4-30	4,000
347	Harpster loam	0-2	10,900	274	Seaton silt loam	2-60	5,400
400	Calco silty clay loam	0-2	7,400	277	Port Byron silt loam	2-12	3,500
455	Mixed alluvial land	0-2	1,200	280	Fayette silt loam	2-30	17,200
465	Montgomery silty clay	0-2	700	281	Hopper silt loam	18-30	200
568	Perrot silty clay loam	0-2	500	385	Atlanta silt loam	7-12	200
651	Selma silt loam	0-2	900	386	Downs silt loam	0-18	3,900
Total			117,100	411	Ashdale silt loam	0-4	1,200
Percent of county			28	429	Palsgrove silt loam	12-18	100
Medium potential for nitrogen loss				443	Barrington silt loam	0-7	6,400
41	Muscatine silt loam	0-2	3,400	562	Ideal silt loam	0-18	9,300
61	Atterberry silt loam	0-2	600	563	Fay silt loam	7-18	3,400
74	Radford silt loam	0-2	2,300	564	Ustick silt loam	2-18	2,500
76	Otter silt loam	0-2	1,200	565	Wysox silt loam	4-30	2,600
81	Littleton silt loam	0-2	2,300	578	Dorchester silt loam, rocky sub.	0-2	300
82	Millington loam	0-2	3,300	673	Ebner fine sandy loam	0-7	1,600
102	LaHogue loam	0-4	12,300	727	Dickinson loam	0-12	21,500
104	Virgil silt loam	0-4	600	734	Disco loam	0-4	2,200
149	Brenton silt loam	0-2	9,400	Total			202,200
198	Elburn silt loam	0-2	3,700	Percent of county			49
219	Millbrook silt loam	2-4	600	WILL COUNTY			
262	Denrock silt loam	0-2	200	450,200 Total acres studied			
265	Lomax loam	0-4	3,100	High potential for nitrogen loss			
266	Disco sandy loam	0-2	2,900	49	Watseka loamy fine sand	0-2	4,000
267	Curran silt loam	0-4	300	54	Plainfield sand	0-18	7,400
278	Stronghurst silt loam	0-4	400	67	Harpster silty clay loam	0-2	300
321	DuPage silt loam	0-4	14,800	82-A	Millington loam, wet	0-2	800
333	Wakeland silt loam	0-2	3,600	88	Hagener loamy sand	0-18	800
415	Orion silt loam	0-2	8,200	89-A	Maumee fine sandy loam, wet	0-2	1,900
442	Mundelein silt loam	0-2	5,400	103	Houghton muck	0-4	2,200
451	Lawson silt loam	0-2	17,700	130	Pittwood fine sandy loam	0-2	5,600
504	Sogn silt loam	12-30	300	130-A	Pittwood fine sandy loam, wet	0-2	700
Total			96,600	131	Alvin fine sandy loam	2-12	2,300
Percent of county			23	152	Drummer silty clay loam	0-2	27,400
Low potential for nitrogen loss				196	Harpster fine sandy loam	0-2	1,100
19	Sylvan silt loam	0-30	11,100	206	Thorp silt loam	0-2	200
29	Dubuque silt loam	2-18	900	210	Lena muck	0-2	4,300
35	Bold silt loam	7-18	300	232	Ashkum silt clay loam	0-2	67,100
36	Tama silt loam	0-12	43,300	235	Bryce silty clay	0-2	11,900
37	Worthen silt loam	0-12	4,600	238	Rantoul silty clay	0-2	400
77	Huntsville silt loam	0-2	900	270	Oquawka sand	2-4	100
80	Alexis silt loam	0-12	12,700	296	Washtenaw silt loam	0-2	1,300
105	Batavia silt loam	2-4	800	314	Joliet silty clay loam	0-2	2,800
134	Camden silt loam	0-12	700	316	Romeo silt loam	0-4	10,500
148	Proctor silt loam	0-18	7,800	317	Millsdale silty clay loam	0-2	300
151	Ridgeville fine sandy loam	0-2	100	329	Will silty clay loam	0-2	3,200
159	Pilot silt loam	0-12	18,000	330	Peotone silty clay loam	0-2	2,100
171	Catlin silt loam	0-4	2,600	Total			158,700
190	Onarga fine sandy loam	0-12	700	Percent of county			35
194	Morley silt loam	7-30	900				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
Medium potential for nitrogen loss				70	Beaucoup silty clay loam	0-2	1,600
23	Blount silt loam	0-7	10,800	71-A	Darwin silty clay, wet	0-2	300
59	Lisbon silt loam	0-2	7,600	84	Okaw silt loam	0-2	4,300
62	Herbert silt loam	2-4	400	108-A	Bonnie silt loam, wet	0-2	4,200
73	Ross loam	0-2	6,200	165	Weir silt loam	0-2	400
82	Millington loam	0-2	200	338	Hurst silt loam	0-2	11,100
93	Rodman gravelly loam	12-30	1,000	382-A	Belknap silt loam, wet	0-2	7,100
102	LaHogue loam	0-2	9,500				
132	Starks silt loam	0-2	400			Total	36,100
146	Elliott silt loam	0-7	103,100			Percent of county	16
149	Brenton silt loam	0-4	3,400	Medium potential for nitrogen loss			
157	Rankin sandy loam	2-12	300	3	Hoyleton silt loam	2-4	4,200
197	Troxel silt loam	0-2	700	5	Blair silt loam	4-18	1,200
219	Millbrook silt loam	0-2	800	13	Bluford silt loam	0-4	14,300
220	Plattville silt loam	0-7	2,900	72	Sharon silt loam	0-2	4,900
228	Nappanee silt loam	4-7	400	122	Colp silt loam	2-12	4,600
241	Chatsworth silt loam	7-18	900	164	Stoy silt loam	2-12	5,400
286	Carmi sandy loam	2-4	500	335	Robbs silt loam	2-4	1,500
293	Andres silt loam	0-4	4,300	382	Belknap silt loam	0-2	13,300
295	Mokena silt loam	0-4	1,500				
298	Beecher silt loam	0-7	49,100			Total	49,400
313	Rodman loam	0-7	3,600			Percent of county	22
318	Lorenzo silt loam	0-7	3,100	Low potential for nitrogen loss			
320	Frankfort silt loam	0-18	16,800	4	Richview silt loam	4-7	500
321	DuPage silt loam	0-2	200	8	Hickory loam	12-60	900
	Total		227,700	8-D	Hickory-Ava complex	7-30	20,600
	Percent of county		51	8-E	Hickory-Hosmer complex	12-18	200
Low potential for nitrogen loss				14	Ava silt loam	2-18	57,000
24	Dodge silt loam	0-7	900	214	Hosmer silt loam	2-12	18,200
25	Hennepin loam	18-30	100	301	Grantsburg silt loam	2-12	9,900
60	LaRose silt loam	4-7	500	339	Wellston silt loam	12-30	11,900
134	Camden silt loam	2-12	1,500	340	Zanesville silt loam	7-30	17,400
145	Saybrook silt loam	2-7	12,900				
148	Proctor silt loam	2-7	4,000			Total	136,600
151	Ridgeville fine sandy loam	0-2	2,900			Percent of county	62
190	Onarga fine sandy loam	2-4	500	WINNEBAGO COUNTY			
194	Morley silt loam	4-30	10,700	302,400 Total acres studies			
223	Varna silt loam	7-12	1,400	High potential for nitrogen loss			
224	Strawn silt loam	4-12	3,400	68	Sable silty clay loam	0-2	200
290	Warsaw silt loam	0-7	7,400	76-A	Otter silt loam, wet	0-2	5,100
294	Symerton silt loam	0-12	13,100	87	Dickinson sandy loam	0-2	400
311	Ritchey silt loam	12-18	100	103	Houghton muck	0-2	1,000
315	Channahon silt loam	0-18	4,300	107	Sawmill silty clay loam	0-2	1,900
327	Fox silt loam	4-7	100	107-A	Sawmill silty clay loam, wet	0-2	2,000
	Total		63,800	125	Selma loam	0-2	1,400
	Percent of county		14	130	Pittwood fine sandy loam	0-2	600
High potential for nitrogen loss				152	Drummer silty clay loam	0-2	7,000
2	Cisne silt loam	0-2	6,100	152-A	Drummer silty clay loam, wet	0-2	1,100
12	Wynoose silt loam	0-2	1,000	201	Gilford fine sandy loam	0-2	2,700
				206	Thorp silt loam	0-2	2,500

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

Soil number	Soil name	Slope range, percent	Estimated acres	Soil number	Soil name	Slope range, percent	Estimated acres
210	Lena muck	0-2	1,200	386	Downs silt loam	0-4	4,500
347	Harpster loam	0-2	400	410	Woodbine silt loam	2-7	5,600
Total			27,500	411	Ashdale silt loam	2-12	3,900
Percent of county			9	416	Durand silt loam	2-12	9,400
Medium potential for nitrogen loss				429	Palsgrove silt loam	2-60	11,200
23	Blount silt loam	7-12	400	506	Hitt silt loam	2-12	2,700
41	Muscatine silt loam	0-2	1,900	728	Winnebago silt loam	2-7	7,800
61	Atterberry silt loam	0-2	1,100	731	Nasset silt loam	2-7	5,500
74	Radford silt loam	0-2	4,500	Total			203,700
76	Otter silt loam	0-2	1,300	Percent of county			67
93	Rodman gravelly loam	2-12	2,000	WOODFORD COUNTY			
132	Starks silt loam	0-2	3,100	332,600 Total acres studied			
149	Brenton silt loam	0-4	10,500	High potential for nitrogen loss			
198	Elburn silt loam	0-4	6,300	31	Levan loamy fine sand	4-12	300
219	Millbrook silt loam	0-4	9,300	45	Denny silt loam	0-2	400
242	Kendall silt loam	0-4	3,400	67	Harpster silty clay loam	0-2	3,500
265	Lomax loam	2-4	1,800	68	Sable silty clay loam	0-2	23,800
278	Stronghurst silt loam	0-2	1,400	74-A	Radford silt loam, wet	0-2	3,200
285	Carmi loam	0-7	7,200	87	Dickinson sandy loam	0-12	1,900
289	Omaha loam	0-2	800	92	Sarpy sand	0-4	900
318	Lorenzo silt loam	2-18	2,700	98	Ade loamy fine sand	2-12	1,700
328	Cullo silt loam	0-2	1,100	107	Sawmill silty clay loam	0-2	500
415	Orion silt loam	0-2	700	107-A	Sawmill silty clay loam, wet	0-2	1,600
451	Lawson silt loam	0-2	10,900	152	Drummer silty clay loam	0-2	26,600
504	Sogn silt loam	30-60	800	172	Hoopeston sandy loam	0-2	100
Total			71,200	175	Lamont fine sandy loam	7-12	500
Percent of county			24	206	Thorp silt loam	0-2	100
Low potential for nitrogen loss				321-A	DuPage silt loam, wet	0-2	300
21	Pecatonica silt loam	2-18	15,400	330	Peotone silty clay loam	0-2	500
22	Westville silt loam	4-18	4,800	332	Billet sandy loam	4-7	800
25	Hennepin loam	7-12	900	400-A	Calco silty clay loam, wet	0-2	400
29	Dubuque silt loam	4-18	5,700	435	Streator silty clay loam	0-2	4,300
36	Tama silt loam	0-7	23,100	451-A	Lawson silt loam, wet	0-2	4,700
40	Dodgeville silt loam	4-12	2,800	633	Traer silt loam	0-2	400
77	Huntsville silt loam	0-2	700	Total			76,500
80	Alexis silt loam	2-12	900	Percent of county			23
105	Batavia silt loam	0-7	5,300	Medium potential for nitrogen loss			
134	Camden silt loam	0-12	6,500	41	Muscatine silt loam	0-4	38,700
137	Ellison silt loam	0-2	400	61	Atterberry silt loam	0-4	2,300
148	Proctor silt loam	0-7	9,800	73	Ross loam	0-2	2,300
151	Ridgeville fine sandy loam	0-2	800	74	Radford silt loam	0-2	1,700
190	Onarga fine sandy loam	4-12	500	79	Volinia silt loam	0-2	200
199	Plano silt loam	0-7	22,200	81	Littleton silt loam	2-4	300
227	Argyle silt loam	2-12	1,700	91	Swygert silty clay loam	2-7	2,500
243	St. Charles silt loam	0-12	9,000	93	Rodman gravelly loam	30-60	900
280	Fayette silt loam	2-4	700	102	LaHogue loam	0-2	100
290	Warsaw silt loam	2-12	4,100	146	Elliott silt loam	0-4	1,000
297	Ringwood silt loam	4-7	1,000	149	Brenton silt loam	0-2	400
311	Ritchey silt loam	4-18	1,900	154	Flanagan silt loam	0-4	38,200
315	Channahon silt loam	2-18	5,100	198	Elburn silt loam	0-4	900
344	Harvard silt loam	0-4	4,700	219	Millbrook silt loam	2-4	100
359	Epworth fine sandy loam	0-4	900				
361	Lapeer loam	2-18	5,600				
363	Griswold loam	2-12	18,600				

continued

Table 4. Soils in Illinois Counties with High, Medium, and Low Ratings for Potential Nitrogen Loss Based on the 1969 Soils Legend in Bulletin No. 735 (continued)

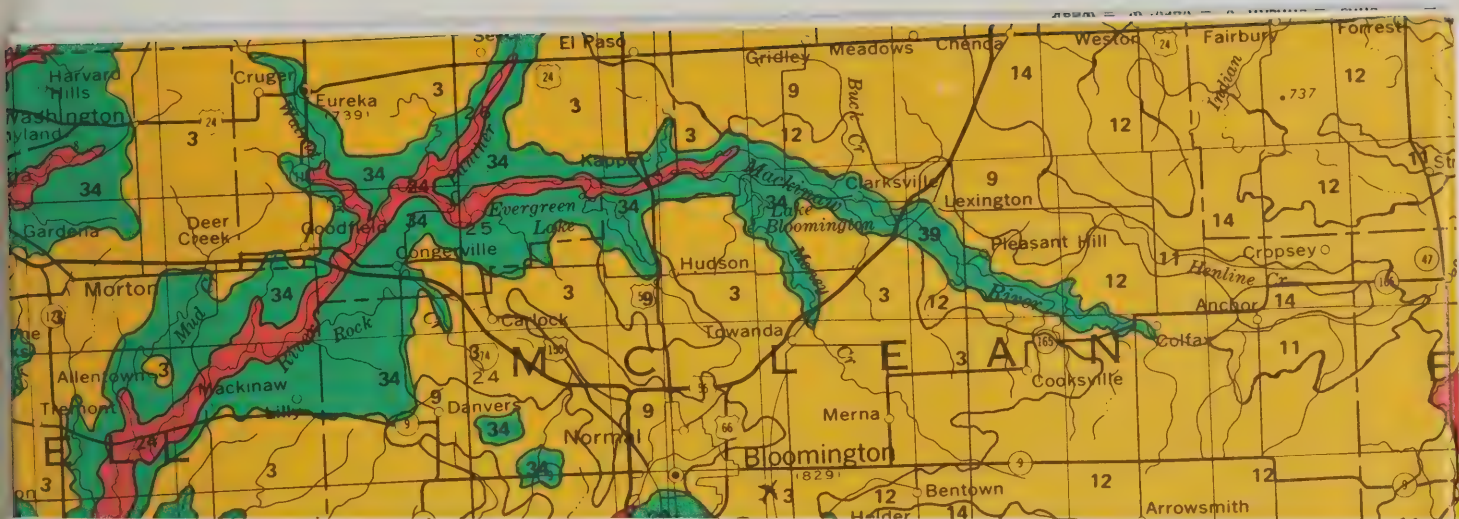
Soil num- ber	Soil name	Slope range, percent	Esti- mated acres	Soil num- ber	Soil name	Slope range, percent	Esti- mated acres
234	Sunbury silt loam	2-4	200	145	Saybrook silt loam	2-12	6,800
236	Sabina silt loam	0-2	200	148	Proctor silt loam	0-2	600
241	Chatsworth silt loam	7-12	200	150	Onarga sandy loam	0-7	400
278	Stronghurst silt loam	0-4	3,500	171	Catlin silt loam	0-12	23,400
286	Carmi sandy loam	2-4	200	194	Morley silt loam	4-30	4,600
293	Andres silt loam	0-4	1,000	199	Plano silt loam	2-7	1,300
375	Rutland silt loam	0-4	13,800	223	Varna silt loam	2-12	4,300
415	Orion silt loam	0-2	100	224	Strawn silt loam	4-30	10,400
451	Lawson silt loam	0-2	2,400	233	Birkbeck silt loam	2-18	16,600
				243	St. Charles silt loam	2-12	600
		Total	111,200	279	Rozetta silt loam	0-7	15,100
		Percent of county	33	280	Fayette silt loam	2-12	7,400
				290	Warsaw silt loam	4-12	500
	Low potential for nitrogen loss			327	Fox silt loam	2-12	300
24	Dodge silt loam	2-18	5,100	385	Atlanta silt loam	4-12	500
25	Hennepin loam	7-60	19,300	386	Downs silt loam	2-7	1,700
36	Tama silt loam	2-7	15,700	388	Wenona silt loam	2-4	800
37	Worthen silt loam	0-12	3,000	635	Onarga loam	2-4	1,000
57	Montmorenci silt loam	2-7	1,000				
60	LaRose silt loam	4-18	2,700			Total	144,900
80	Alexis silt loam	0-7	1,800			Percent of county	44

Table 5. Indexes and Ratings for Potential Nitrogen Loss and Extent of Illinois Soil Associations^a

Soil Association		Index ^b	Rating ^b	Acres	Percent of state
Number	Name				
1	Port Byron-Joy	1.08	Low	86,777	0.2
2	Tama-Muscatine-Sable	1.88	Medium	1,629,494	4.6
3	Tama-Ipava-Sable	1.79	Medium	3,043,293	8.5
4	Herrick-Virden-Piasa	2.09	Medium	1,052,673	2.9
5	Oconee-Cowden-Piasa	2.46	High	607,994	1.7
6	Hoyleton-Cisne-Huey	2.70	High	1,508,635	4.2
7	Winnebago-Durand-Ogle	1.02	Low	83,170	0.2
8	Broadwell-Waukegan-Pillot	1.16	Low	166,514	0.5
9	Catlin-Flanagan-Drummer	2.25	Medium	2,104,621	5.9
10	Wenona-Rutland-Streator	2.15	Medium	134,365	0.4
11	Plano-Proctor-Worthen	2.08	Medium	1,859,312	5.2
12	Saybrook-Dana-Drummer	1.92	Medium	1,228,856	3.4
13	Griswold-Ringwood	1.10	Low	97,078	0.3
14	Varna-Elliott-Ashkum	2.17	Medium	983,084	2.7
15	Symerton-Andres-Reddick	1.93	Medium	175,175	0.5
16	Swygert-Bryce-Mokena	2.50	High	528,394	1.5
17	Clarence-Rowe	2.48	High	116,191	0.3
18	Harco-Patton-Montgomery	2.86	High	110,975	0.3
19	Martinton-Milford	2.78	High	338,610	1.0
20	Lorenzo-Warsaw-Wea	1.69	Medium	237,543	0.7
21	Jasper-LaHogue-Selma	2.03	Medium	443,741	1.2
22	Sparta-Dickinson-Onarga	2.63	High	760,978	2.1
23	Channahon-Dodgeville-Ashdale	1.54	Low	197,102	0.6
24	Lawson-Sawmill-Darwin	2.36	High	2,326,126	6.5
25	Houghton-Palms-Muskego	3.00	High	75,759	0.2
31	Seaton-Timula	1.08	Low	209,350	0.6
32	Fayette-Rozetta-Stronghurst	1.21	Low	2,252,812	6.3
33	Alford-Muren-Iva	1.12	Low	356,231	1.0
34	Clinton-Keomah-Rushville	1.43	Low	2,801,155	7.9
35	Hosmer-Stoy-Weir	1.28	Low	1,221,416	3.4
36	Ava-Bluford-Wynoose	1.84	Medium	2,387,454	6.7
37	Westville-Pecatonica-Flagg	1.04	Low	127,938	0.4
38	Middletown-Tell-Thebes	1.25	Low	90,371	0.3
39	Birkbeck-Sabina-Sunbury	1.48	Low	454,250	1.3
41	St. Charles-Camden-Drury	1.50	Low	371,465	1.0
42	Dodge-Russell-Miami	1.25	Low	380,986	1.1
43	Kidder-McHenry	1.08	Low	65,751	0.2
44	Morley-Blount-Beecher	1.61	Low	642,245	1.8
45	St. Clair-Nappanee-Frankfort	2.00	Medium	149,172	0.4
46	Markland-Colp-Del Rey	2.55	High	298,928	0.8
48	Casco-Fox-Ockley	1.08	Low	163,449	0.5
49	Martinsville-Sciotoville	2.01	Medium	101,270	0.3
50	Oakville-Lamont-Alvin	2.67	High	467,750	1.3
51	Ritchey-New Glarus-Palsgrove	1.06	Low	205,675	0.6
52	Alford-Goss-Baxter	1.34	Low	188,132	0.5
53	Alford-Wellston	1.05	Low	116,417	0.3
54	Hosmer-Zanesville-Berks	1.26	Low	489,791	1.4
55	Grantsburg-Zanesville-Wellston	1.03	Low	387,962	1.1
56	Derinda-Schapville-Eleroy	1.68	Medium	89,063	0.3
57	Haymond-Petrolia-Karnak	2.32	High	1,742,164	4.9

^a Assuming a total state area of 36,096,000 acres — a total land area of 35,657,657 acres and a total inland water area of 438,343 acres.

^b A low rating for potential nitrogen loss corresponds to an index ranging from 1.00 to 1.67; a medium rating corresponds to an index ranging from 1.68 to 2.34; and a high rating corresponds to an index ranging from 2.35 to 3.00.

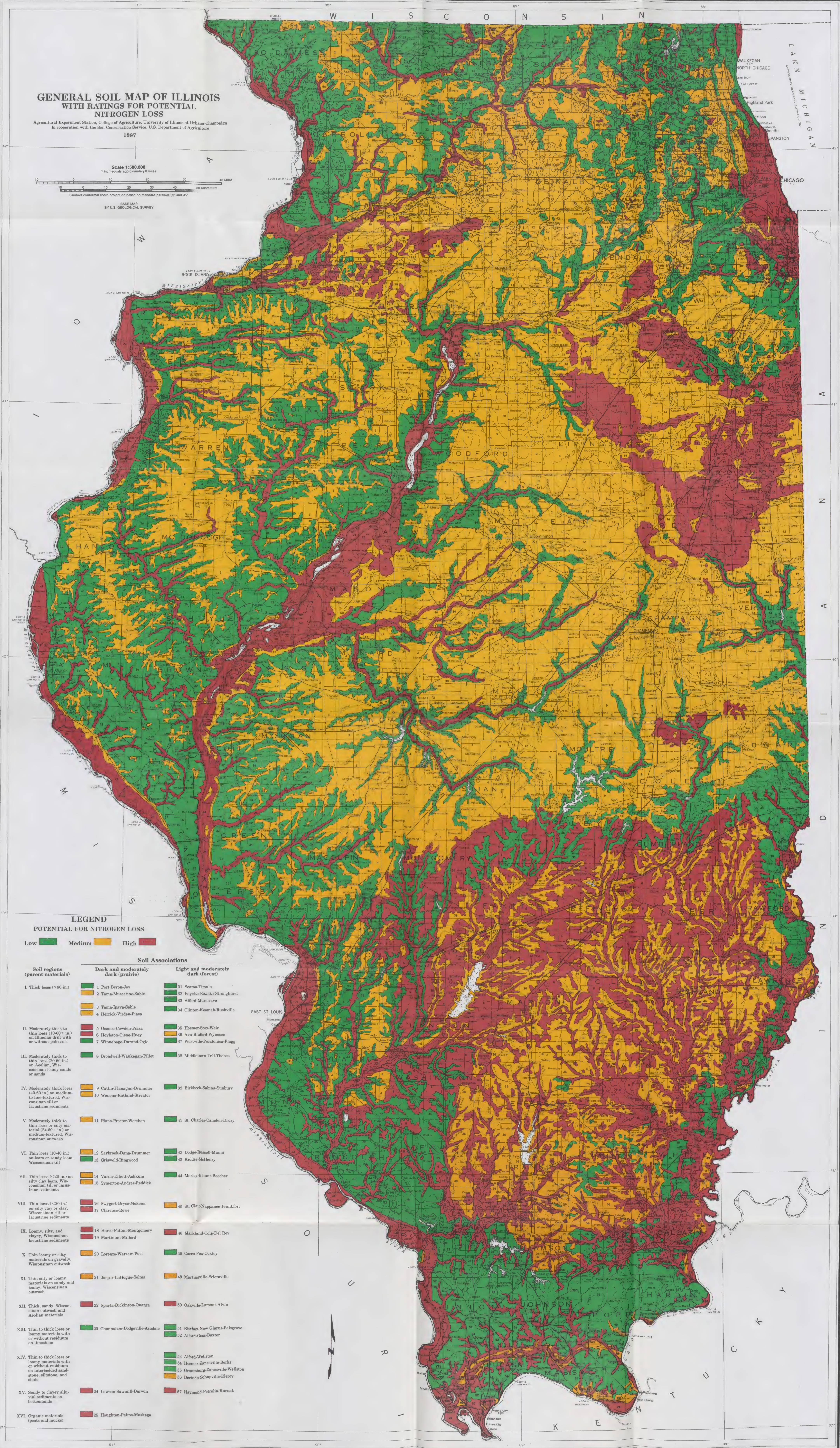


GENERAL SOIL MAP OF ILLINOIS WITH RATINGS FOR POTENTIAL NITROGEN LOSS

Agricultural Experiment Station, College of Agriculture, University of Illinois at Urbana-Champaign
In cooperation with the Soil Conservation Service, U.S. Department of Agriculture

1987

Scale 1:500,000
1 inch equals approximately 8 miles
0 10 20 30 40 Miles
0 10 20 30 40 Kilometers
Lambert conformal conic projection based on standard parallels 32° and 45°
BASE MAP
BY U.S. GEOLOGICAL SURVEY



LEGEND

POTENTIAL FOR NITROGEN LOSS

Low Medium High

Soil Associations

Dark and moderately dark (prairie) Light and moderately dark (forest)

- | | | |
|---|---|---|
| Soil regions (parent materials) | Dark and moderately dark (prairie) | Light and moderately dark (forest) |
| I. Thick loess (>60 in.) | 1 Port Byron-Joy
2 Tama-Muscatine-Sable
3 Tama-Ipsa-Sable
4 Herrick-Virden-Piasa | 31 Seaton-Timula
32 Fayette-Rozetta-Stronghurst
33 Allford-Muren-Iva
34 Clinton-Komah-Rushville |
| II. Moderately thick to thin loess (10-60 in.) on Illinoian drift with or without paleosols | 5 Oconee-Cowden-Piasa
6 Hoytlen-Cline-Huey
7 Winnebago-Durand-Ogle | 35 Homer-Stoy-Weir
36 Ava-Bluford-Wynosse
37 Westville-Peatonica-Flagg |
| III. Moderately thick to thin loess (20-60 in.) on Aolian, Wisconsin loamy sands and sands | 8 Broadwell-Waukegan-Pilot | 38 Middletown-Tell-Thebes |
| IV. Moderately thick loess (40-60 in.) on medium- to fine-textured, Wisconsin till or lacustrine sediments | 9 Catlin-Flanagan-Drummer
10 Wenona-Rutland-Streator | 39 Birkbeck-Sabina-Sunbury |
| V. Moderately thick to thin loess or silty material (24-60 in.) on medium-textured, Wisconsin outwash | 11 Plane-Proctor-Worthen | 41 St. Charles-Camden-Drury |
| VI. Thin loess (10-40 in.) on loam or sandy loam, Wisconsin till | 12 Saybrook-Dana-Drummer
13 Griswold-Ringwood | 42 Dodge-Russell-Miami
43 Kidder-McHenry |
| VII. Thin loess (<20 in.) on silty clay or clay, Wisconsin till or lacustrine sediments | 14 Varna-Elliott-Ashkum
15 Symerton-Andres-Reddick | 44 Morley-Blount-Beecher |
| VIII. Thin loess (<20 in.) on silty clay or clay, Wisconsin till or lacustrine sediments | 16 Swygert-Bryce-Mokena
17 Clarence-Rowe | 45 St. Clair-Nappanee-Frankfort |
| IX. Loamy, silty, and clayey, Wisconsin lacustrine sediments | 18 Harco-Patton-Montgomery
19 Martinton-Milford | 46 Markland-Colp-Del Rey |
| X. Thin loamy or silty materials on gravelly, Wisconsin outwash | 20 Lorenzo-Warsaw-Wea | 48 Casco-Fox-Ockley |
| XI. Thin silty or loamy materials on sandy and loamy, Wisconsin outwash | 21 Jasper-LaHogue-Selma | 49 Martinsville-Sciotoville |
| XII. Thick, sandy, Wisconsin outwash and Aolian materials | 22 Sparta-Dickinson-Onarga | 50 Oakville-Lamont-Alvin |
| XIII. Thin to thick loess or loamy materials with or without residuum on limestone | 23 Channahon-Dodgeville-Ashdale | 51 Ritchey-New Glarus-Palsgrove
52 Allford-Goss-Baxter |
| XIV. Thin to thick loess or loamy materials with or without residuum on interbedded sandstone, siltstone, and shale | 24 Lawson-Sawmill-Darwin | 53 Allford-Wellston
54 Homer-Zanesville-Berke
55 Grantsburg-Zanesville-Wellston
56 Derinda-Schapville-Eleroy |
| XV. Sandy to clayey alluvial sediments on bottomlands | 25 Houghton-Palms-Muskego | 57 Haymond-Petrolia-Karnak |
| XVI. Organic materials (peats and mucks) | | |

This interpretive soil map, like all interpretive soil maps, indicates how soils will respond or react to a particular use or condition. Based on the General Soil Map of Illinois in Bulletin No. 778, *Soils of Illinois*, this map shows the potential for nitrogen loss of the fifty soil associations given on that map.

To map, high, medium, low rating of each soil association is derived from the ratings for potential nitrogen loss and their estimates for potential nitrogen loss and their existence in it. These ratings are based on the best available estimates of the number of acres in each soil association and the number of acres in each individual Illinois soils are given in Bulletin No. 778. These estimates are multiplied by 1 for soils with a low rating for potential nitrogen loss, 2 for soils with a medium rating, and 3 for soils with a high rating for potential nitrogen loss. These values are then summed to give the total nitrogen loss provided by the total number of acres in a particular soil association to obtain a value for the total potential nitrogen loss of the entire soil association.

The spread of thalrales for potential nitrogen loss of the fifty soil associations has been grouped into three ratings: high, medium, and low. The ratings of the fifty soil associations are represented by three colors: red for a high rating, yellow for a medium rating, and green for a low rating. Each soil association is identified in the legend by an Arabic numeral, and it is

This map can be used to identify those areas where the potential for losing nitrogen is low, medium, and high. Cultural and management practices regarding applied nitrogen may be adjusted to diminish some of the nitrogen loss.

To determine the potential loss of nitrogen on an individual farm, the more detailed county soil survey reports should be used along with the ratings for potential nitrogen loss of the soils found on that farm. Ratings for potential nitrogen loss of individual Illinois soils are given in Bulletin No. 784, *Nitrogen-Loss Potential Ratings for Illinois Soils*, which accompanies this map.

For more information on the management of applied nitrogen, see the current *Illinois Agronomy Handbook* by the University of Illinois Department of Agronomy, published by the Illinois Cooperative Extension Service. For more information on Illinois soils and Illinois soil associations, see Bulletin No. 778, *Soils of Illinois*, published by the University of Illinois Agricultural Experiment Station in cooperation with the Soil Conservation Service, USDA (1984). Both publications are available through the Agricultural Publications Office of the University of Illinois, 541 Mumford Hall, 1301 West Gregory, Urbana, IL 61801.

ALPHABETICAL LIST OF ILLINOIS SOILS

Index	Series	Classification
88	Adams	Coarse-beamy, mixed, mesic Pannonic Argidolus
97	Adrian	Very dry sandy-skeletal, mixed, acid, mesic Tere. Medagranis
107	Abali	Very fine-mottled, mixed, mesic Vertic. Haquepala
108	Alford	Fine-silty, mixed, mesic Type Haquepala
109	Allison	Fine-silty, mixed, mesic Type Haquepala
111	Alvin	Coarse-beamy, mixed, mesic Type Haquepala
112	Alvin, chick A	Fine-silty, mixed, mesic Type Haquepala
102	Andrew	Fine-loamy, mixed, mesic Fluvicolline Haquepala
103	Andrew	Fine-loamy, mixed, mesic Aquic Argidolus
104	Atakshad	Fine-silty, mixed, mesic Aerie Ochrachala
105	Arneville	Coarse-silty, mixed, mesic Type Typic Udrifluents
106	Argie's	Fine-silty, mixed, mesic Type Haquepala
107	Armsburg	Fine-silty, mixed, mesic Fluvicolline Haquepala
108	Arshad	Fine-silty, mixed, mesic Type Haquepala
109	Ashum	Fine, mixed, mesic Type Haquepala
110	Assumption	Fine-silty, mixed, mesic Type Argidolus
111	Atkins	Fine-loamy, mixed, mesic Type Aerie Ochrachala
112	B	Fine-silty, mixed, mesic Type Aerie Ochrachala
113	B	Fine, mottled, mesic, sloping Aerie Ochrachala
114	Bitterberry	Fine-silty, mixed, mesic Udic Ochrachala
115	B	Fine-silty, mixed, mesic Type Psatrolus
116	Ayr	Fine-loamy, mixed, mesic Type Argidolus
708	Buckhorne	Coarse-beamy, mixed, mesic Mollic Haquepala
707	Buile	Coarse-silty, mixed, nonacid, mesic Aerie Haquepala
706	Burington	Fine-silty, mixed, mesic Type Argidolus
705	Betavia	Fine-silty, mixed, mesic Type Argidolus
704	Buster	Fine, mixed, mesic Type Haquepala
703	Baylor	Fine-silty, mixed, mesic Type Paludatus
702	Bearwood	Fine-loamy, mixed, mesic Udic Haquepala
701	Beasley	Fine, mixed, mesic Type Haquepala
700	Beaucoup	Fine-silty, mixed, mesic Type Haquepala
699	Bedford	Fine-silty, mixed, mesic Type Haquepala
698	Becker	Fine, illitic, mesic Udic Ochrachala
697	Bellows	Fine-silty, mixed, mesic Type Fluvicolline Haquepala
696	Beck	Loamy-skeletal, mixed, mesic Typic Dystrachets
695	Bellot	Fine-silty, mixed, mesic Type Haquepala
694	Berle	Fine-silty, mixed, nonacid, mesic Type Fluvicolline Haquepala
693	Berkebeck	Fine-silty, mixed, mesic Type Haquepala
692	Berkebeck	Fine-silty, mixed, mesic Fluvicolline Haquepala
691	B	Fine-loamy, mixed, mesic Aerie Haquepala
690	Bloomfield	Fine-silty, mixed, mesic Type Haquepala
689	B	Fine, illitic, mesic Aerie Ochrachala
688	Blood	Fine-silty, mixed, mesic Type Haquepala
687	Blood	Loamy-skeletal, alkaline, thermic Typic Paludatus
686	Blood	Fine-silty, mixed, calcareous, mesic Typic Udrifluents
685	Blood	Loamy-skeletal, mixed, mesic Aerie Haquepala
684	Bonnie	Fine-silty, mixed, acid, mesic Type Fluvicolline Haquepala
683	Baker	Fine-silty, mixed, mesic Type Haquepala
682	Bones	Mesic, unstratified Typic Quaternary
681	Bowden	Clayey over sandy or sandy-skeletal, thermic Pannonic Haquepala
680	Bowden	Fine-silty, mixed, mesic Mollic Haquepala
706	Boyer	Coarse-beamy, mixed, mesic Type Haquepala
705	Brandon	Fine-silty, mixed, thermic Type Argidolus
704	Brennan	Fine-silty, mixed, mesic Aerie Haquepala
703	Broadwell	Fine-silty, mixed, mesic Type Haquepala
702	Brooklyn	Fine-silty, mixed, mesic Type Haquepala
701	B	Fine, mixed, mesic Type Haquepala
700	Bangay	Fine-silty, mixed, nonacid, mesic Type Haquepala
699	Burkhard	Sandy, mixed, mesic Type Haquepala
698	Burnside	Loamy-skeletal, mixed, acid, mesic Type Udrifluents
590	Cain	Clayey over sandy or sandy-skeletal, nonmottled, thermic Vertic Haquepala
746	Calamine	Fine, mixed, mesic Type Argidolus
745	Calo	Fine-silty, mixed (calcareous), mesic Cunic Haquepala
744	Calo	Fine-silty, mixed, mesic Type Haquepala
743	Canisteo	Fine-loamy, mixed (calcareous), mesic Type Haquepala
742	Cape	Fine-silty, mixed, mesic Type Haquepala
741	Carroll	Coarse-loamy, mixed, mesic Type Haquepala
740	Carr	Very dry sandy or sandy-skeletal, mesic Type Udrifluents
739	Cattin	Fine-silty, mixed, mesic Type Argidolus
738	Chambers	Fine-silty, mixed, mesic Lithic Argidolus
737	Chatterbox	Fine, illitic, mesic Type Eutrochets
736	Chatterbox	Fine, mottled, mesic Type Argidolus
735	Chatterbox	Fine, mottled, mesic Type Argidolus
734	Chase	Fine-silty, mixed, mesic Type Udrifluents
733	Chute	Fine, mixed, mesic Type Udrifluents
732	Chute	Fine-silty, mixed, mesic Mollic Haquepala
731	Chute	Fine, illitic, mesic Aerie Argidolus
730	Chute	Fine-silty, mixed, mesic Type Haquepala
729	Chute	Loamy-skeletal, alkaline, mesic Typic Paludatus
728	Chute	Fine, mottled, mesic Type Haquepala
727	Clinton	Fine, mottled, mesic Type Haquepala
726	Clouston	Fine-loamy over sandy or sandy-skeletal, mesic Type Argidolus
725	Coffey	Coarse-silty, mixed, mesic Fluvicolline Haquepala
724	Cole	Fine-silty, mixed, mesic Cunic Haquepala
723	Cole	Fine, mottled, mesic Aerie Haquepala
722	Cumby	Fine-silty, mixed, mesic Cunic Haquepala
721	Corn	Fine-loamy, mixed, mesic Type Argidolus
720	Corn	Fine, mottled, mesic Mollic Haquepala
719	Cowan	Coarse-silty, mixed, mesic Mollic Haquepala
718	Cowan	Fine-silty, mixed, mesic Type Argidolus
717	Cowan	Fine-loamy, mixed, mesic Aerie Argidolus
716	Crow	Fine-silty, mixed, mesic Aerie Ochrachala
379	Dakota	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Type Argidolus
378	Dana	Fine-silty, mixed, mesic Type Argidolus
620	Darmstadt	Fine-silty, mixed, mesic Aerie Haquepala
740	Darreh	Fine-loamy, mixed, mesic Aerie Argidolus
739	Darwin	Fine-silty, mixed, mesic Type Haquepala
738	De Bay	Fine, illitic, mesic Aerie Ochrachala
737	Denny	Fine, mottled, mesic Type Haquepala
736	Denrek	Fine, illitic, mesic Aerie Argidolus

GENERAL SOIL MAP OF ILLINOIS WITH RATINGS FOR POTENTIAL NITROGEN LOSS

Prepared by John D. Alexander. Based on the General Soil Map of Illinois prepared by J.B. Fehrenbacher, Professor of Pedology; J.D. Alexander and L.J. Jansen, Associate Professors of Pedology; R.A. Pope, Assistant Professor of Soil Management; M.A. Flock, Assistant Agronomist; all of the Department of Agronomy, University of Illinois at Urbana-Champaign; and W.F. Andrews, L.J. Bushue, J.W. Scott, and E.E. Vance, Soil Scientists, Soil Conservation Service, U.S. Department of Agriculture. That map appeared in *Soils of Illinois*, Bulletin No. 778.

This map accompanies the Illinois Agricultural Experiment Station bulletin, *Nitrogen-Loss Potential Ratings for Illinois Soils*, Bulletin No. 784. The Illinois Agricultural Experiment Station provides equal opportunities in programs and employment.

Agricultural Experiment Station, College of Agriculture
University of Illinois at Urbana-Champaign
In cooperation with the Soil Conservation Service, U.S. Department of Agriculture

KEY TO ILLINOIS SOILS

	Parent material	Area on soil map	Surface color	Degree of development	Natural interelement disease class			
					Well	Mod. well	Somewhat poor	Poor
I. THICK LOESS (> 40 in.)								
Loess > 60 in. thick, calcareous at < 42 in. (> 25 ft. thick)	1	Dark	Weak	Moderately dark	----- Port Byron 277 -----	Jay 275		
					----- Port Byron, an. sub. 562 -----			
					----- Mt. Cassini 268 -----			
Loess > 60 in. thick, calcareous at < 36 in. (> 20 ft. thick)	31	Light	Weak	Moderately dark	----- Hardsburg 274 -----			
					----- Benton, an. sub. 563 -----			
					----- Tallula 34 -----			
Loess > 60 in. thick, calcareous at < 42 in. (10-25 ft. thick)	2	Dark	Weak	Moderately dark	----- Timsa 271 -----			
					----- Tamsa 26 -----	Missouri 41		
					----- Tamsa 26 -----	Edgerton 272		
Loess > 60 in. thick, calcareous at < 42 in. (10-25 ft. thick)	2, 3	Dark	Weak	Moderately dark	----- Wk. B. calc. str. B. mod. A2 -----			
					----- Dowsa 366 -----	Attierberry 61		
					----- Fayette 280 -----	Stromburg 278		
Loess > 60 in. thick, calcareous at < 42 in. (10-25 ft. thick)	31, 32, 33	Light	Moderate	Moderate	----- Sylvan 19 -----	Rensselaer 723		
					----- Nov. < 12% clay -----	Whitson 116		
					----- Nov. 12-18% clay -----			
Loess > 60 in. thick, calcareous at < 42 in. (5- > 20 ft. thick)	3	Dark	Weak	Moderate	----- Allied 308 -----	Ira 454		
					----- Mod. mod. str. -----	Ipsa 43		
					----- Mod. B. weak A2 -----			
Loess > 60 in. thick, calcareous at < 42 in. (5- > 20 ft. thick)	3	Dark	Weak	Moderate	----- Elkhart 697 -----	Hardsburg 244		
					----- Dowsa 386 -----	Clarkdale 257		
					----- Light Mod. str. -----	Kamath 17		
Loess > 60 in. thick, leached (5-7 ft. thick)	34	Light	Moderate	Moderate	----- Tamsa 36 -----	Harris 46		
					----- Mod. mod. str. -----	Harvel 252		
					----- Dowsa 386 -----	Clarkdale 257		
----- Light Mod. str. -----					Kamath 17			
II. MODERATELY THICK TO THIN LOESS (10-40 in.) ON ILLINOIAN DRIFT WITH OR WITHOUT PALEOSOLS								
Loess 50-60 in. thick on gray paleosols in Illinoian drift	5	Dark	Weak	Moderate	----- Strong -----			
					----- Wartsaw 215 -----	Homer 214		
					----- Str. very str. -----	Reichow 4		
Loess 50-55 in. thick on gray paleosols in Illinoian till or loess wash	6	Dark	Weak	Moderate	----- Str. B. thick A -----			
					----- Dowsa 386 -----	Clarkdale 257		
					----- Light Mod. str. -----	Kamath 17		
Loess 50-60 in. thick on gray paleosols in Illinoian till	31, 32, 33	Light	Moderate	Moderate	----- Tamsa 36 -----	Harris 46		
					----- Mod. mod. str. -----	Harvel 252		
					----- Dowsa 386 -----	Clarkdale 257		
Loess < 20 in. thick on Illinoian loam till	31, 32, 33	Light	Moderate	Moderate	----- Hickory 8 -----	Blair 5		
					----- Dowsa 386 -----	Clarkdale 257		
					----- Light Mod. str. -----	Kamath 17		
Loess < 20 in. thick on clay, gray paleosols	32, 33, 34	Light	Strong	Strong	----- Urra 600 -----	Atlas 7		
					----- Dowsa 386 -----	Clarkdale 257		
					----- Light Mod. str. -----	Kamath 17		
Loess and loamy material 12-36 in. thick on gray paleosols	11	Dark	Moderate	Moderate	----- Prattville 603 -----	Nachusa 60		
					----- Dowsa 386 -----	Clarkdale 257		
					----- Light Mod. str. -----	Kamath 17		
Loess 20-40 in. thick on clay, gray and brownish paleosols	22, 34	Light	Strong	Strong	----- Assumption 559 -----	Fiskdale 6		
					----- Dowsa 386 -----	Clarkdale 257		
					----- Light Mod. str. -----	Kamath 17		
Loess < 20 in. thick on clay, acid, gravelly and sandy, reddish paleosols	32, 33, 34	Light	Moderate	Moderate	----- Napa 30 -----	Elk River 119		
					----- Dowsa 386 -----	Clarkdale 257		
					----- Light Mod. str. -----	Kamath 17		
Loess 20-40 in. thick on acid, reddish paleosols	33, 34, 35, 36	Light	Moderate	Moderate	----- Payson 585 -----	Nagley 585		
					----- Dowsa 386 -----	Clarkdale 257		
					----- Light Mod. str. -----	Kamath 17		
Loess 40-60 in. thick on acid, thick, reddish or grayish paleosols	33, 34, 35, 36	Light	Moderate	Moderate	----- Douglas 128 -----	Harrison 127		
					----- Dowsa 386 -----	Clarkdale 257		
					----- Light Mod. str. -----	Kamath 17		
Loess < 15 in. thick on clay, reddish paleosols	7	Dark	Moderate	Moderate	----- Winnebago 728 -----			
					----- Winnebago 728 -----			
					----- Winnebago 728 -----			
Loess 15-30 in. thick on clay, reddish paleosols	7	Dark	Moderate	Moderate	----- Winnebago 728 -----			
					----- Winnebago 728 -----			
					----- Winnebago 728 -----			
Loess 15-30 in. thick on clay, reddish paleosols	7	Dark	Moderate	Moderate	----- Winnebago 728 -----			
					----- Winnebago 728 -----			
					----- Winnebago 728 -----			
Loess 30-50 in. thick on clay, reddish paleosols	7	Dark	Moderate	Moderate	----- Winnebago 728 -----			
					----- Winnebago 728 -----			
					----- Winnebago 728 -----			
III. MODERATELY THICK TO THIN LOESS (10-40 in.) ON AEROLIAN, WISCONSIN LOAMY SANDS OR SANDS								
Loess 40-60 in. thick on loamy sand or sand	8	Dark	Moderate	Moderate	----- Broadwell 684 -----	Lauraville 680		
					----- Broadwell 684 -----			
					----- Broadwell 684 -----			
Loess or silty material 30-40 in. thick on loamy sand or sand	8	Dark	Weak	Moderate	----- Waukegan 564 -----			
					----- Waukegan 564 -----			
					----- Waukegan 564 -----			
Loess or silty material 30-40 in. thick on loamy sand or sand	8	Dark	Weak	Moderate	----- Tell 565 -----			
					----- Tell 565 -----			
					----- Tell 565 -----			
Loess or silty material 30-40 in. thick on loamy sand or sand	8	Dark	Weak	Moderate	----- Tell 565 -----			
					----- Tell 565 -----			
					----- Tell 565 -----			
Loess or silty material 30-40 in. thick on loamy sand or sand	8	Dark	Weak	Moderate	----- Tell 565 -----			
					----- Tell 565 -----			
					----- Tell 565 -----			
IV. MODERATELY THICK LOESS (40-60 in.) ON MEDIUM- TO FINE-TEXTURED, WISCONSIN TILL OR LAURISTINE SEDIMENTS								
Loess 40-60 in. thick on calcareous loam or silty clay loam till or silty clay loam lauristine material	9	Dark	Mod. str.	Mod. str.	----- Catlin 371 -----	Flanagan 354		
					----- Catlin 371 -----			
					----- Catlin 371 -----			
Loess 40-60 in. thick on calcareous loam or silty clay loam till or silty clay loam lauristine material	9	Dark	Mod. str.	Mod. str.	----- Catlin 371 -----	Flanagan 354		
					----- Catlin 371 -----			
					----- Catlin 371 -----			
Loess 40-60 in. thick on calcareous silty clay or clay till or lauristine material	43	Light	Mod. str.	Mod. str.	----- Catlin 371 -----	Flanagan 354		
					----- Catlin 371 -----			
					----- Catlin 371 -----			
V. MODERATELY THICK TO THIN LOESS (10-40 in.) ON MEDIUM-TEXTURED, WISCONSIN OUTWASH								
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate	Moderate	----- Potosi 109 -----	Elmer 138		
					----- Potosi 109 -----			
					----- Potosi 109 -----			
Loess 40-60 in. thick on medium-textured outwash or sandy loam till	11	Dark	Moderate					

LIST, continued

[illegible]

KEY TO ILLINOIS SOILS, continued

Parent material		Area on soil map	Surface color	Degree of development	Natural internal drainage class				Line
Well	Mod. well	Somewhat poor	Poor						
Parent material 20-40 in. in thick on gravel and sand, calcareous < 40-60 in.									
20	Dark	Moderate	Wansee 200	Kane 343	Will 329	156			
20	Moderately dark	Moderate	Durand 225	Maharson 342		157			
20	Dark	Moderate	For 127	Homer 288		158			
Parent material 24-47 in. thick on loess, gravelly loamy and sandy loam.									
20	Dark	Moderate	Dakota 379			159			
48	Moderately dark	Moderate	Dowagiac 266			160			
48	Light	Moderate	Ellison 127			161			
48	Weak	Weak	Wauken 727			162			
48	Moderately dark	Weak	Hayfield 711			163			
48	Dark	Weak (calc.)				164			
48	Light	Weak	Boyer 700			165			
48	Light	Moderate	Wau 398	Cross 009	Wendland 300	166			
48	Moderately dark	Moderate	Longfist 394			167			
48	Light	Moderate	Oklay 387			168			
Parent material 20-40 in. thick on calcareous sand and gravel < 40 in.									
20	Dark	Weak				169			
20	Light	Weak				170			
20	Light	Moderate				171			
48	Moderately dark	Moderate				172			
48	Light	Moderate				173			
48	Light	Moderate				174			
48	Light	Moderate				175			
48	Light	Moderate				176			
48	Light	Moderate				177			
48	Light	Moderate				178			
Parent material 20-40 in. thick on sand and gravel, loess, and silt loam.									
20	Dark	Moderate				179			
20	Light	Moderate				180			
20	Light	Moderate				181			
20	Light	Moderate				182			
20	Light	Moderate				183			
20	Light	Moderate				184			
20	Light	Moderate				185			
20	Light	Moderate				186			
20	Light	Moderate				187			
20	Light	Moderate				188			
20	Light	Moderate				189			
20	Light	Moderate				190			
20	Light	Moderate				191			
20	Light	Moderate				192			
20	Light	Moderate				193			
20	Light	Moderate				194			
20	Light	Moderate				195			
20	Light	Moderate				196			
20	Light	Moderate				197			
20	Light	Moderate				198			
20	Light	Moderate				199			
20	Light	Moderate				200			
20	Light	Moderate				201			
20	Light	Moderate				202			
20	Light	Moderate				203			
20	Light	Moderate				204			
20	Light	Moderate				205			
20	Light	Moderate				206			
20	Light	Moderate				207			
20	Light	Moderate				208			
20	Light	Moderate				209			
20	Light	Moderate				210			
20	Light	Moderate				211			
20	Light	Moderate				212			
20	Light	Moderate				213			
20	Light	Moderate				214			
20	Light	Moderate				215			
20	Light	Moderate				216			
20	Light	Moderate				217			
20	Light	Moderate				218			
20	Light	Moderate				219			
20	Light	Moderate				220			
20	Light	Moderate				221			
20	Light	Moderate				222			
20	Light	Moderate				223			
20	Light	Moderate				224			
20	Light	Moderate				225			
20	Light	Moderate				226			
20	Light	Moderate				227			
20	Light	Moderate				228			
20	Light	Moderate				229			
20	Light	Moderate				230			
20	Light	Moderate				231			
20	Light	Moderate				232			
20	Light	Moderate				233			
20	Light	Moderate				234			
20	Light	Moderate				235			
20	Light	Moderate				236			
20	Light	Moderate				237			
20	Light	Moderate				238			
20	Light	Moderate				239			
20	Light	Moderate				240			
20	Light	Moderate				241			
20	Light	Moderate				242			
20	Light	Moderate				243			
20	Light	Moderate				244			
20	Light	Moderate				245			
20	Light	Moderate				246			
20	Light	Moderate				247			
20	Light	Moderate				248			
20	Light	Moderate				249			
20	Light	Moderate				250			
20	Light	Moderate				251			
20	Light	Moderate				252			
20	Light	Moderate				253			
20	Light	Moderate				254			
20	Light	Moderate				255			
20	Light	Moderate				256			
20	Light	Moderate				257			
20	Light	Moderate				258			
20	Light	Moderate				259			
20	Light	Moderate				260			
20	Light	Moderate				261			
20	Light	Moderate				262			
20	Light	Moderate				263			
20	Light	Moderate				264			
20	Light	Moderate				265			
20	Light	Moderate				266			
20	Light	Moderate				267			
20	Light	Moderate				268			
20	Light	Moderate				269			
20	Light	Moderate				270			
Parent material 20-40 in. thick on calcareous sand and gravel < 40 in.									
20	Dark	Weak				271			
20	Light	Weak				272			
20	Light	Moderate				273			
20	Light	Moderate				274			
20	Light	Moderate				275			
20	Light	Moderate				276			
20	Light	Moderate				277			
20	Light	Moderate				278			
20	Light	Moderate				279			
20	Light	Moderate				280			
20	Light	Moderate				281			
20	Light	Moderate				282			
20	Light	Moderate				283			
20	Light	Moderate				284			
20	Light	Moderate				285			
20	Light	Moderate				286			
20	Light	Moderate				287			
20	Light	Moderate				288			
20	Light	Moderate				289			
20	Light	Moderate				290			
20	Light	Moderate				291			
20	Light	Moderate				292			
20	Light	Moderate				293			
20	Light	Moderate				294			
20	Light	Moderate				295			
20	Light	Moderate				296			
20	Light	Moderate				297			
20	Light	Moderate				298			
20	Light	Moderate				299			
20	Light	Moderate				300			
20	Light	Moderate				301			
20	Light	Moderate				302			
20	Light	Moderate				303			
20	Light	Moderate				304			
20	Light	Moderate				305			
20	Light	Moderate				306			
20	Light	Moderate				307			
20	Light	Moderate				308			
20	Light	Moderate				309			
20	Light	Moderate				310			
20	Light	Moderate				311			
20	Light	Moderate				312			
20	Light	Moderate				313			
20	Light	Moderate				314			
20	Light	Moderate				315			
20	Light	Moderate				316			
20	Light	Moderate				317			
20	Light	Moderate				318			
20	Light	Moderate				319			
20	Light	Moderate				320			
20	Light	Moderate				321			
20	Light	Moderate				322			
20	Light	Moderate				323			
20	Light	Moderate				324			
20	Light	Moderate				325			
20	Light	Moderate				326			
20	Light	Moderate				327			
20	Light	Moderate				328			
20	Light	Moderate				329			
20	Light	Moderate				330			
20	Light	Moderate				331			
20	Light	Moderate				332			
20	Light	Moderate				333			
20	Light	Moderate				334			
20	Light	Moderate				335			
20	Light	Moderate				336			
20	Light	Moderate				337			
20	Light	Moderate				338			
20	Light	Moderate				339			
20	Light	Moderate				340			
20	Light	Moderate				341			
20	Light	Moderate				342			
20	Light	Moderate				343			
20	Light	Moderate				344			
20	Light	Moderate				345			
20	Light	Moderate				346			
20	Light	Moderate				347			
20	Light	Moderate				348			
20	Light	Moderate				349			
20	Light	Moderate				350			
20	Light	Moderate				351			
20	Light	Moderate				352			
20	Light	Moderate				353			
20	Light	Moderate				354			
20	Light	Moderate				355			
20	Light	Moderate				356			
20	Light	Moderate				357			
20	Light	Moderate				358			
20	Light	Moderate				359			
20	Light	Moderate				360			
20	Light	Moderate				361			
20	Light	Moderate				362			
20	Light	Moderate				363			
20	Light	Moderate				364			
20	Light	Moderate				365			
20	Light	Moderate				366			
20	Light	Moderate				367			
20	Light	Moderate				368			
20	Light	Moderate				369			
20	Light	Moderate				370			
20	Light	Moderate				371			
20	Light	Moderate				372			
20	Light	Moderate				373			
20	Light	Moderate				374			
20	Light	Moderate				375			
20	Light	Moderate				376			
20	Light	Moderate				377			
20	Light	Moderate				378			
20	Light	Moderate				379			
20	Light	Moderate				380			
20	Light	Moderate				381			
20	Light	Moderate				382			
20	Light	Moderate				383			
20	Light	Moderate				384			
20	Light	Moderate				385			

ALPHABETICAL LIST, continu

	Line in soil key	Soil number	Series	Classification	Line in soil key
uvaguant	278	83	Wabash	Fine, montmorillonitic, mesic Vertic Hapludals	299
u	181	28	Wagner	Fine, montmorillonitic, mesic Mollic Albicqualls	142
u	72	323	Wakeland	Coarse-silty, mixed, nonacid, mesic Aeric Fluvisols	271
u	221	292	Walkill	Fine-loamy, mixed, nonacid, mesic Typic-Histic Fluvisols	309
u	684	2	Walshville	Fine, mixed, mesic Typic Natrafluvisols	27
u	2	456	Ware	Coarse-loamy, mixed, thermic Fluventic Hapludals	262
u	200	20	Warren	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic Argiudolls	150
u	42	215	Waterson	Fine-silty, mixed, mesic Typic Hapludals	28, 244
u	82	246	Watkinson	Fine-loamy, mixed, nonacid, mesic Typic Hapludals	275
u	47	24	Watkins	Sandy, mixed, mesic Aeric Hapludolls	189
u	697	740	Wacoana	Fine-silty, mixed, mesic Udallo Ochrudals	66
u	92	564	Wadsworth	Fine, montmorillonitic, mesic Typic Hapludals	162
u	293	269	Wadsworth	Fine-silty over sandy or sandy-skeletal, mixed, mesic Typic Hapludals	63
u	122	398	Wae	Fine-loamy, mixed, mesic Typic Argiudolls	70
u	97	461	Walbach	Fine-silty, mixed, mesic Aeric Fragiudals	177
u	118, 127	185	Wair	Fine, montmorillonitic, mesic Typic Ochrudals	28, 244
u	14, 133	339	Wailatan	Fine-silty, mixed, mesic Udic Hapludals	240
u	29	388	Waimoa	Fine, montmorillonitic, mesic Typic Argiudolls	70
u	191	141	Waiyey	Coarse-loamy, mixed, mesic Aeric Argiudolls	117
u	253	420	Wainland	Fine-loamy, mixed, mesic Typic Argiudolls	152
u, mixed, mesic Fluventic Hapludals	263	940	Waimore	Fine-silty, mixed, mesic Typic Hapludals	243
u	110	22	Waiyey	Fine-loamy, mixed, mesic Typic Hapludals	53
u	509	210	Wahlan	Fine-loamy, mixed, mesic Typic Hapludals	8
u	200	463	Wahlan	Fine-loamy, mixed, mesic Udic Hapludals	177
u	574	271	Wahlan	Fine-loamy, mixed, mesic Aeric Ochrudals	173
u	118	116	Wahlan	Fine-silty, mixed, mesic Typic Ochrudals	14
u	211	29	Wahlan	Fine-loamy over sandy or sandy-skeletal, mixed, mesic Typic Hapludolls	34
u	146	348	Wahlan	Fine-silty, mixed, mesic Mollic Hapludals	98
u	198	728	Wahlan	Fine-loamy, mixed, mesic Typic Argiudolls	52
u	266	410	Wahlan	Fine-loamy, mixed, mesic Typic Hapludals	9
u	14	37	Worthen	Fine-silty, mixed, mesic Cumulic Hapludals	91
u	13	12	Wynosee	Fine, montmorillonitic, mesic Typic Albicqualls	53
u	90				
u	22, 26	291	Xenia	Fine-silty, mixed, mesic Aeric Hapludals	99
u	70				
u	70				
u	340		Zansville	Fine-silty, mixed, mesic Typic Fragiudals	241
u	264	99	Zipp	Fine, mixed, nonacid, mesic Typic Hapludals	137
u	69	696	Zurich	Fine-silty, mixed, mesic Typic Hapludals	87
u	8, 18	576	Zwingie	Fine, montmorillonitic, mesic Typic Albicqualls	141
u	247				
u	257				
u	131				
u	84				
u	94				
u	138				
u	177				
u	200				
u	10				
u	5	1	Port Byron-Jay	86,800	0.2
u	172	2	Tama-Muscatine-Sable	1,629,440	4.6
u	221	4	Herrick-Vernon-Paw	1,032,790	2.9
u	221	4	Oakland-Cowden-Paw	688,000	1.9
u	236	6	Hayward-Claire-Hast	1,508,600	4.2
u	236	7	Winnebago-Durand-Ogish	83,200	0.2
u	272	13	Bradwell-Waukegan-Pittsford	166,050	0.5
u	297	9	Cattlin-Pangloss-Drummer	2,104,600	5.9
u	264	9	Winnona-Rutland-Strecker	79,800	0.2
u	200	11	Plano-Peotche-Worthen	1,859,300	5.2
u	230	12	Seykora-Dana-Drummer	1,228,200	3.4
u	201	13	Gravelsburg-Granger	471,000	0.3
u	180	14	Wayne-Elliott-Ashkun	983,100	2.7
u	217	14	Symerton-Adair-Beldick	175,000	0.5
u	120, 126	16	Seymour-Bryce-Mekona	528,400	1.5
u	84	17	Clarence Rose	116,200	0.3
u	189	18	Harris-Patterson-Montgomery	111,000	0.3
u	247	19	Martinton-Milford	338,600	0.9
u	148	19	Lorenza-Warpage	237,600	0.7
u	28, 244	21	Jasper-Lafayette-Selma	443,700	1.2
u	194	22	Sparta-Dickinson-Dow	701,000	1.9
u	70	23	Channahon-DeKalb-Ashland	197,100	0.6
u	68		Lewen-Sawmill-Darwin	2,226,100	6.5
u	118		Hogback-Palm-Markewitz	79,800	0.2
u	13	31	Sutton-Timna	209,400	0.6
u	14	31	Payette-Bonita-Strengshurst	2,252,800	6.3
u	116	33	Alford-Murren-Jay	356,200	1.0
u		34	Clinton-Kennels-Rudville	1,221,400	3.4
u		35	Homser-Steir	290,600	0.8
u		36	Ava-Belford-Wynosee	2,887,500	8.7
u	8, 18, 25	38	Wartville-Peotche-Flagg	127,900	0.4
u	23	39	Midtown-Lott-Thomas	94,400	0.3
u	64	41	Birkhead-Selma-Schubert	80,000	0.2
u	268	41	St. Charles-Camden-Drury	371,500	1.0
u	66	42	Dodge-Russell-Milam	381,000	1.1
u	7	43	Kidder-McKenny	62,800	0.2
u	296	44	Morley-Brian-Beecher	642,200	1.8
u	98	45	St. Clair-Vanapines-Frankfort	146,200	0.4
u	284	46	Markland-Colp-Del Ray	228,800	0.6
u	98	48	Casco-Pot-Occell	163,400	0.5
u	13	49	Martinsville-Savoyville	101,200	0.3
u	13	50	Oakville-Lamont-Oakville	467,700	1.3
u	19	51	Riches-New Glarus-Palgrave	89,100	0.3
u		52	Alford-Cox-Baxter	188,100	0.5
u		53	Alford-Wetzel	116,400	0.3
u	133	54	Batterson-Zacharias-Berke	480,800	1.4
u	41	55	Grantburg-Zacharias-Wetzel	388,000	1.1
u		56	Derricks-Schagville-Sirey	89,100	0.3
u		57	Haymond-Petrola-Kernack	1,738,700	4.9
u					
u	112		Total land area	35,657,700	100.0
u	38		Inland water area	438,200	
u	23		Total water area	36,095,900	
u	38		Total state area		

UNIVERSITY OF ILLINOIS-URBANA



3 0112 113005232